



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number:

TO: Samuel W Liu
Location: 9d08 / 9b01
Saturday, October 18, 2003
Art Unit: 1653
Phon : 306-3483
Serial Number: 09 / 803126

From: Jan Delaval
Location: Biotech-Chem Library
CM1-1E07
Phone: 308-4498
jan.delaval@uspto.gov

Search Notes

Biotech-Chem Library
308-4498
jan.delaval@uspto.gov

Access DB# 1060150**SEARCH REQUEST FORM**

Scientific and Technical Information Center

Requester's Full Name _____ Examiner # _____ Date _____
 An Unit _____ Phone Number 30 _____ Serial Number _____
 Mail Box and Bldg. Room Location _____ Results Format Preferred (circle) PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

 Please provide a detailed statement of the search topic and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention _____

Inventors (please provide full names) _____

Earliest Priority Filing Date _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

JOHN DELAVAI
 Reference Librarian
 Microtechnology & Chemical Library
 (MCI 1F07 - 703-308-4498)
 jdelavai@uspto.gov

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher <u>Jan</u>	NA Sequence (#) <u>✓</u>	STN _____
Searcher Phone # <u>4498</u>	AA Sequence (#) _____	Dialog _____
Searcher Location _____	Structure (#) _____	Quest, Other _____
Date Searcher Initiated <u>10/16/03</u>	Bibliographic _____	Other _____
Date Completed <u>10/18/03</u>	Citation _____	Indexing _____
Searcher Prep. for Use Time _____	Fulltext _____	Sequence Systems <u>✓</u>
Office Prep Time <u>10</u>	Patent Family _____	ATA & Internet _____
Indexing Time <u>4.5</u>	Other _____	Other (specify) _____

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: October 16, 2003, 15:57:50 : Search time 177.97 Seconds

(without alignments)
10351.935 Million cell updates/sec

Title: US-09-803-126-5

Perfect score: 4174

Sequence: 1 cggcagcagcagctcgggc.....aaaaaaaaaaaaaaaaaaaaa 4174

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database: 1: /cgn2_6/ptodata/2/ina/5A_COMB.seq.*

2: /cgn2_6/ptodata/2/ina/5B_COMB.seq.*

3: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*

4: /cgn2_6/ptodata/2/ina/6B_COMB.seq.*

5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq.*

6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	73.4	1.8	7218	1	US-08-232-463-14
C 2	61.2	1.5	51259	3	Sequence 14, Appl
C 3	61.2	1.5	51259	4	Sequence 209, Appl
C 4	58	1.4	16442	3	Sequence 208, Appl
C 5	58	1.4	16442	4	Sequence 208, Appl
C 6	54.8	1.3	1362	4	Sequence 12, Appl
C 7	54.8	1.3	1422	4	Sequence 13, Appl
C 8	54.8	1.3	1617	4	Sequence 11, Appl
C 9	54.2	1.3	1926	4	Sequence 11, Appl
C 10	54.2	1.3	1926	4	Sequence 3, Appl
C 11	54.2	1.3	2580	3	Sequence 2, Appl
C 12	54.2	1.3	2580	4	Sequence 2, Appl
C 13	54.2	1.3	5452	2	Sequence 1, Appl
C 14	54.2	1.3	8705	4	Sequence 14, Appl
C 15	54.2	1.3	9600	3	Sequence 1, Appl
C 16	54.2	1.3	9600	4	Sequence 1, Appl
C 17	54.2	1.3	10596	1	Sequence 15, Appl
C 18	54.2	1.3	10596	1	Sequence 15, Appl
C 19	54.2	1.3	10596	1	Sequence 15, Appl
C 20	54.2	1.3	10596	1	Sequence 15, Appl
C 21	54.2	1.3	10596	2	Sequence 15, Appl
C 22	54.2	1.3	10596	5	Sequence 15, Appl
C 23	53.4	1.3	1276	3	Sequence 2, Appl
C 24	53.4	1.3	1276	4	Sequence 2, Appl
C 25	53.4	1.3	1276	4	Sequence 2, Appl
C 26	51.4	1.2	3489	2	Sequence 1, Appl
C 27	51.4	1.2	3489	4	Sequence 1, Appl

Query Match 1.8% Score 73.4; DB 1; Length 7218;

28	51.4	1.2	3489	4	US-09-410-399-1	Sequence 1, Appl
C 29	51.4	1.2	32207	2	US-08-770-379-20	Sequence 20, Appl
C 30	51.4	1.2	32207	3	US-08-757-669A-20	Sequence 20, Appl
C 31	51.4	1.2	32207	4	US-09-230-371A-20	Sequence 20, Appl
C 32	51.2	1.2	636	4	US-09-702-705-1668	Sequence 1668, Ap
C 33	51.2	1.2	636	4	US-09-736-457-1668	Sequence 1668, Ap
C 34	51	1.2	2301	1	US-08-306-691B-23	Sequence 23, Appl
C 35	51	1.2	2301	4	US-09-167-206-3	Sequence 3, Appl
C 36	51	1.2	2301	5	PCT-US93-06251-78	Sequence 78, Appl
C 37	50.8	1.2	2481	4	US-09-894-998A-35	Sequence 35, Appl
C 38	50.8	1.2	34094	4	US-09-292-034-1	Sequence 1, Appl
C 39	50.4	1.2	236	4	US-09-364-206-14	Sequence 14, Appl
C 40	50.4	1.2	1678	3	US-08-650-766-2	Sequence 2, Appl
C 41	50.4	1.2	1678	4	US-09-389-487-2	Sequence 2, Appl
C 42	50.4	1.2	1954	3	US-08-922-635-2	Sequence 2, Appl
C 43	50.4	1.2	3318	3	US-08-650-766-3	Sequence 3, Appl
C 44	50.4	1.2	3318	3	US-08-922-635-3	Sequence 3, Appl
C 45	50.4	1.2	3318	4	US-09-389-487-3	Sequence 3, Appl

ALIGNMENTS

RESULT 1
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHRIFFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232.463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935.313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pTZgpt-Fis
US-08-232-463-14

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:      TOPOLOGY: linear
CS-08-781-891-209

Query Match      1.5%; Score 61.2; DB 3; Length 51259;
Best Local Similarity 51.9%; Pred. No. 0.0019;
Matches 138; Conservative 0; Mismatches 128; Indels 0; Gaps 0;

Qy      73  AAGCCCCCACAACCCCGGAGAGCCACAGCTGGATCAGAGGCTGGCTGCCTG 132
Db      283  AAACACAAACAATACATGAGAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 274

Qy      133  AGGAGACACCTCCGAGGAGGCTGAAGACAGGCCCTATCAGCCCAAGAGCTTCAGCAAAA 192
Db      223  GAGGAGGACACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 164

Qy      193  CGGAATATTTCCAGAGGATGGGGCCAGCCACAGATCACAGTGAAGGAGATGAAGGTC 252
Db      163  GAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 184

Qy      253  GCCAAGTCCACATCCCCAGGGGGGAAGCGCAGGAGGAGGAGGAGGAGGAGGAGGAG 312
Db      103  CAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 44

Qy      313  GAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 338
Db      43  GAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 18

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RESULT 3
US-09-618-166-209/c
? Sequence 203, Application US/09618166
? Patent No. 6581112
? GENERAL INFORMATION:
? APPLICANT: Fu, Ying-Hui
? Yu, Chang-Shn
? Oshima, Junko
? Mulligan, John T.
? Schellengberg, Gerald D.
? TITLE OF INVENTION: GENE AND GENE PRODUCTS RELATED TO
? WERNER'S SYNDROME

RESULT 2
S-08-781-89:-209/c
Sequence 209, Application US/08781:891

TITLE OF INVENTION: GENE AND GENE PRODUCTS RELATED TO
 WERNER'S SYNDROME
 NUMBER OF SEQUENCES: 209
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Seed Intellectual Property Law Group
 STREET: 701 Fifth Avenue, Suite 6300
 CITY: Seattle
 STATE: Washington
 COUNTRY: USA
 ZIP: 98104-7892
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/618,166
 FILING DATE: 17-Jul-2000
 CLASSIFICATION: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: McMasters, David D.

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 622-4930
 TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 209:

SEQUENCE CHARACTERISTICS:
 LENGTH: 51259 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 209:
 US-09-618-166-209

[illegible]

SULT 10
-09-410-399-3
Sequence 3. Application US/09410399

PATENT NO. 8182587
GENERAL INFORMATION:
APPLICANT: Robertson, Erle S.
APPLICANT: Cotter, Murray A.
TITLE OF INVENTION: Methods to Inhibit or Enhance the Binding of Viral DNA
TITLE OF INVENTION: to Genomic Host DNA
FILE REFERENCE: UM-03778
CURRENT APPLICATION NUMBER: US/09/410,399
CURRENT FILING DATE: 1999-10-01
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 1926
TYPE: DNA
ORGANISM: Epstein-Barr virus
09-410-399-3

Query Match	1.3%	Score 54.2	DB 4	Length 1926
Best Local Similarity	45.7%	Pred. No. 0.02		
Matches 188	Conservative	0	Mismatches 223	Indels 0
88	CGGAGAAACCCACACGCTGACCTCGGGATCAGAGGGTGGCTGCTCAGGAGACACCTCCGAG	147		
644	CAGGAGGGCAGGACGACGAGGAGGGCAGGAGGGCAGGAGGGCAGGACGACGAGGGG	703		
148	GAGGCTGAAGACAGAGCCCTTATCAGCCCAAGAGCTTCCAGCAGAAACGGAACCTATTTCAG	207		
704	CAGGAGCAGGAGGGGCAGSAGCAGGAGGGCAGGAGCAGGAGGAGGGCAGGAGGGCAGGAG	763		
208	AGGATGGGGCAGCCACACATCACACTGAGGACGATGAAGCCGCCCGCCCAAGTCCACATC	267		
764	CAGGAGGGGCAGAGAGGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGAGGGG	823		
268	CCCCAGGGGGAACCCACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	327		
824	CAGGAGGGGCAGGACGAGGAGGAGGGCAGGAGGAGGGCAGGAGCAGGAGGGCAGGAGGGG	883		
328	CAAGAAGTGGAAACAGACGACGCGCGTCCCTCCTCCTCCCTCCCTCGTGAAGAGCCA	387		
884	CAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAG	943		
388	TTTGAAGCAAGTGGGGCCAAAGCTCCAAAGAGGGTGTAGGCTTGAGCCAGCCCAAGAGACA	447		
944	GAGGGCAGGACGAGGAGGGGCAGGAGCAGGAGGTGAGGCGCGGGGTGAGGAGCGCAGTGT	1003		
448	GGGGCCAGGGGCGATGCCAAGGGCCAGGCCCAAGGCAGGGGAGCTGTGTGT	498		
1004	GAGCCCGGGGTGAGGAGGAGTGTGAGGCGCGGGGTGAGGAGGAGTGTGTGAG	1054		

RESULT 11
 S-09-050-863-2
 Sequence 2, Application US/09050863
 Patent No. 611411
 GENERAL INFORMATION:
 APPLICANT: Lao, Ying
 APPLICANT: Hiang, Betty

APPLICANT: Pavan, Dor
 TITLE OF INVENTION: Mammalian Protein Interaction Cloning
 TYPE OF INVENTION: System
 NUMBER OF SEQUENCES: 5
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbett
 STREET: 4 Embarcadero Center, Suite 3400
 CITY: San Francisco
 STATE: CA
 COUNTRY: USA
 ZIP: 94111-4187
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DCS/MS-DOS
 SOFTWARE: Patent'n Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/050,863
 FILING DATE: 30-MAR-1998
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Silva, Robin M.
 REGISTRATION NUMBER: 38,304
 REFERENCE/DOCKET NUMBER: A-65638/DJB/RMS
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 781-1989
 TELEFAX: (415) 949-8711
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2580 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 MOLECULE TYPE: DNA

Query Match	1.3%	Score	54.2	DB	3	Length	2580
Best Local Similarity	45.7%	Pred. No.	0.022				
Matches	188	Conservative	0	Mismatches	223	Indels	0
QY	88	CCGAGAGCCACAGCGTACCTGGGATCAGAGGGTGGCTGCTTGAGGGAGACCTCCGAG	147				
DB	1027	CAGGAGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGCGGCAGGAGCAGGAGGGG	1096				
QY	148	GAGGCTGAAGACAGGGCCCTATCAGCCCAAGAGCTTCAGCAGAAACCGAACTATTTCAG	207				
DB	1087	CAGGACAGGAGGGCAGGAGCAGGAGGGGCAGGAGCAGCAGGAGGGCAGGAGGGCACGG	146				
QY	208	AGGNTGGGCAGCCACAGATCACAGTTCAGACAGTGAAGCCCGGCCCAAGGTCCTCATC	267				
DB	1147	CAGGAGGGGCAGGAGGGGCAGGACAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGG	1206				
QY	268	CCCCAGGGGGAAGCCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	327				
DB	1207	CAGGAGGGCAGGAGCAGGAGGAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGG	1266				
QY	328	CAGAACTGAAACAGAGCAGCGCGTCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	387				
DB	1267	CAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGCAGGAG	1326				
QY	388	TTCAAGCAAGGTGGGGCCAAAGCTCCAAAGAGGCTGAGGCTGAGCCAGCCCAAGGAGACA	447				
DB	1327	GAGGGCAGCAGCAGGAGGGGCAGGACAGGAGGTGGAGCCCGGGTTCGAGGAGGCAGTG	1386				
QY	448	GCGCCCAAGGGCCATGCCCCAAGGCCACGCCCAAGGCCAGGGGAGCTGTGGTG	498				
DB	1387	GAGCCCGGGTTCAGGAGAGTGTAGTGAGGGCCGGGATCCAGGAGGTAGTGGAG	1437				

RESULT 12
US-09-359-081-2
; Sequence 2, Application US/09359081
; Patent No. 6316223

LENGTH: 8705
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: pshuttle
-09-647-344A-14

Query Match 1.3%; Score 54.2; DB 4; Length 8705;
Best Local Similarity 45.7%; Pred. No. 0.033;
Matches 188; Conservative 0; Mismatches 223; Indels 0; Gaps 0;
88 CCGGAGAGCCACAGCGTGACCTGGGATCAGAGGGTGGCTGCCTGAGGGAGACCTCCGAG 147
7643 CAGGAGGGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 7584
148 GAGGCTGAACACAGGGCCCTATCAGCCCAAGAGCTTCCAGCAGAAACGGAACTATTTCCAG 207
7583 CAGGAGCAGAGGGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 7524
208 AGGATGGGCGAGCCACAGATCAGAGTGAAGACGATGAAGCCCCCGGCCAAGGTCCACATC 267
7523 CAGGAGGGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 7464
268 CCCAGGGGCAAGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 327
7463 CAGGAGGGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 7404
328 CAAGAAGTGGAAACAAAGCAGCGCCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCT 387
7403 CAGGAGCAGAGGGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 7344
388 TTGAAGCAAGGTGGGGCCAAAGTCCAAAGAGGCTGAGGCTGAGCCAGCCCAAGGAGACA 447
7343 GAGGGGCGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 7284
448 GCGGCCAAGGCGCATGCGCAAGGCCAGCCCAAGCGAGGGGAGCTGTGGTG 498
7283 GAGGCCGGGTTCGAGGAGGTAGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 7233

SULT 15
-08-910-647-1
Sequence 1, Application US/08910647
Patent No. 6251433
GENERAL INFORMATION:
APPLICANT: Zuckermann et al.
TITLE OF INVENTION: Compositions and Methods for
TITLE OF INVENTION: Polynucleotide Delivery
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Chiron Corporation
STREET: 4560 Horton Street
CITY: Emeryville
STATE: California
COUNTRY: U.S.A.
ZIP: 94608-2916
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/910.647
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Fujita, Sharon M.
REGISTRATION NUMBER: 38,459
REFERENCE/DOCKET NUMBER: 1218.002
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 923-2706
TELEFAX: (510) 655-3542
INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:
LENGTH: 9600 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genom:c)
US-08-910-647-1
Query Match 1.3%; Score 54.2; DB 3; Length 9600;
Best Local Similarity 45.7%; Pred. No. 0.034;
Matches 188; Conservative 0; Mismatches 223; Indels 0; Gaps 0;
88 CCGGAGAGCCACAGCGTGACCTGGGATCAGAGGGTGGCTGCCTGAGGGAGACCTCCGAG 147
1073 CAGGAGGGGCGAGGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1132
148 GAGGCTGAAGACAGGGCCCTATCAGCCCAAGAGCTTCCAGCAGAAACGGAACTATTTCCAG 207
1133 CAGGAGCAGAGGGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1192
208 AGGATGGGCGAGCCACAGATCAGAGTGAAGACGATGAAGCCCCCGGCCAAGGTCCACATC 267
1193 CAGGAGGGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1252
268 CCCAGGGGCAAGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 327
1253 CAGGAGGGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1312
328 CAAGAAGTGGAAACAAAGCAGCGCCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCT 387
1313 CAGGAGCAGAGGGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1372
388 TTGAAGCAAGGTGGGGCCAAAGTCCAAAGAGGCTGAGGCTGAGCCAGCCCAAGGAGACA 447
1373 GAGGGGCGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1432
448 GCGGCCAAGGCGCATGCGCAAGGCCAGCCCAAGCGAGGGGAGCTGTGGTG 498
1433 GAGGCCGGGTTCGAGGAGGTAGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1473

Search completed: October 16, 2003, 17:06:27
Job time : 179.97 secs

Best Local Similarity 5.0%; Pred. No. 2.8e-06;
Matches 20; Conservative 235; Mismatches 146; Indels 0; Gaps 0;
145 GAGGAGCTGAGACAGCGCCCTATCAGCCCAAGAGCTTCAGAGAGAACGGAACCTATTTTC 204
1429 RRR 1370
205 CAGAGGATGGGCGGACGACACATCAGTACAGGAGGATGAAGCCCGCCGCAAGTCCAC 264
1369 RRR 1310
265 ATCCCCCAGGGGAGCGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 324
1309 RRR 1250
325 GAGCAAGAGTGGAAACAGAGCAGCGCGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 384
1249 RRR 1190
385 CCATTGAAGCAAGGTGGGGGCAAGCTCCAAAGAGGCTGAGGCTGAGCCAGCAAGGAG 444
1189 RRR 1130
445 ACAGGGCCAGGGCCATGGCCAAAGGCGCCAGCCCAAGCAGGGGGAGTGTGTCGCGAGT 504
1129 RRR 1070
505 CAGACTCAAGCCCAAGCGGCGCACACCCAGCCAGCGGAAAT 545
1069 RRRATCGCAAGCTCTCTCGACTCGCAGCCCAAGCTCGGAAT 1029
SULT 2
-08-781-891-209/c
Sequence 209, Application US/08781891
Patent No. 609620
GENERAL INFORMATION:
APPLICANT: Fu, Ying-Hui
APPLICANT: Yu, Chang-En
APPLICANT: Oshima, Junko
APPLICANT: Mulligan, John T.
APPLICANT: Schellenberg, Gerald D.
TITLE OF INVENTION: GENE AND GENE PRODUCTS RELATED TO
TITLE OF INVENTION: WERNER'S SYNDROME
NUMBER OF SEQUENCES: 209
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/781.891
FILING DATE: 27-DEC-1996
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: No. 609620torenburg Ph.D., Carol
REGISTRATION NUMBER: 39,317
REFERENCE/DOCKET NUMBER: 240052.419
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 209:
SEQUENCE CHARACTERISTICS:
LENGTH: 51259 base pairs
TYPE: nucleic acid
STRANDEDNESS: single

TOPOLOGY: linear
US-08-781-891-209
Query Match 1.6%; Score 61.2; DB 3; Length 51259;
Best Local Similarity 51.9%; Pred. No. 0.002;
Matches 138; Conservative 0; Mismatches 128; Indels 0; Gaps 0;
QY 73 AAGCCCCCAGCCCGGAGAGCCACAGAGCTGACCTGGGATCAGAGGGTGGTGGTGG 132
DB 283 AAACACAAATAATACATGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 224
QY 133 AGGAGACCTCCGAGGAGGCTGAAGACAGAGGCCCTATCAGCCCAAGAGCTTCAGGAGAAA 192
DB 223 GAGGAGGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 164
QY 193 CGGAAGTATTTCACAGGATGGGCGAGCCACAGATCACAGTGAGGACCATGAAGCCCGC 252
DB 163 GAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 104
QY 253 GCCAAGTCCACATCCCCAGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 312
DB 103 CAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 44
QY 313 GAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 338
DB 43 GAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 18
RESULT 3
US-09-618-166-209/C
Sequence 209, Application US/09618166
Patent No. 6583112
GENERAL INFORMATION:
APPLICANT: Fu, Ying-Hui
APPLICANT: Yu, Chang-En
APPLICANT: Oshima, Junko
APPLICANT: Mulligan, John T.
APPLICANT: Schellenberg, Gerald D.
TITLE OF INVENTION: GENE AND GENE PRODUCTS RELATED TO
TITLE OF INVENTION: WERNER'S SYNDROME
NUMBER OF SEQUENCES: 209
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed Intellectual Property Law Group
STREET: 701 Fifth Avenue, Suite 6300
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/618.166
FILING DATE: 17-Jul-2000
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Mcmasters, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET NUMBER: 240052.419C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 209:
SEQUENCE CHARACTERISTICS:
LENGTH: 51259 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 209:
US-09-618-166-209

328 CAAGAAGTGGAAACAAGACAGCGCCGTCCTCCTCTCCCCCATCGTAGAAGCCA 387
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884 CAGGACGAGGAGGGGCAGGAGGGGCAGGACAGAGGGGCAGGAGGCCGACGACGAG 943
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388 TTGAAGCAAGGTGGGCCCAGAAGCTCCAAAGAGCTTGAGCGTTGAGCCAGCCACGAGACCA 447
||||| |||
944 GAGGGCAGGACGAGGAGGGGCAGGACGAGAGTGGAGCCCGGGTTCGAGAGGCAGTG 1003

448 CGCGCCAAAGGCCATGCGCAAGGGCCAGCCCAAGGCAGGGGACTGTGGTG 498

1004 GAGGCGGGGTTCGAGCAGGTAGTGTGAGCGCGGGTCGAGGAGGTASTGGAG 1054

SULT 10
-09-410-399-3
Sequence 3, Application US/09410399
Patent No. 6482587
GENERAL INFORMATION:
APPLICANT: Robertson, Erle S.
APPLICANT: Corter, Murray A.
TITLE OF INVENTION: Methods to Inhibit or Enhance the Binding of Viral DNA
TITLE OF INVENTION: Methods to Inhibit or Enhance the Binding of Viral DNA
TITLE OF INVENTION: Methods to Inhibit or Enhance the Binding of Viral DNA
FILE REFERENCE: UM-03778
CURRENT APPLICATION NUMBER: US/09/410.399
CURRENT FILING DATE: 1999-10-01
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 1926
TYPE: DNA
ORGANISM: Epstein-Barr virus
09-410-399-3

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Query Match      1.4%; Score 54.2; DB 4; Length 1926;
Best Local Similarity 45.7%; Pred. No. 0.021;
Matches 188; Conservative 223; Indels 0; Gaps 0;

      88  CCGAGAAACCCACACGCTGACCTCGGATCAGAGGCTGGCTGCTCTCAGGAGACACCTCCAG 147
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
     644  CAGGAGGGCAGCAGCAGCAGGAGGGGCGAGGAGGGCAGGAGGGCAGGAGGGG 703

     148  GAGGCTGAAGCAGAGCCCTTATCAGGCCAAGAGCTTCCAGCAGAAACGGAACATTTCAG 207
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
     704  CAGGAGCAGGAGGGGCGAGCAGCAGGAGGGCGAGGAGCAGGAGGGCGAGAGGGCGAGGAG 763

     208  AGGATGGGGCAGCCACAGATCATCTGAGGACGATGAAGCCCCCGGCCCAAGTCCACATC 267
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
     764  CAGGAGGGGCGAGGAGGGGCGAGGAGCAGGAGGGGCGAGGAGGGGCGAGGAGGAGGGG 823

     268  CCCCAGGGGGAAACGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 327
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
     824  CAGGAGGGGCGAGGAGCAGGAGGAGGGGCGAGGAGGGGCGAGGAGCAGGAGGGCGAGGAGG 883

     328  CAAGAAGTGGAAACAGAGCAGCGGGCGTCCCTCTCTCTCCCCCATCGTGAAGAGCCA 387
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
     884  CAGGAGCAGGAGGGGCGAGGAGGGCGAGGAGCAGGAGGGGCGAGGAGGGGCGAGGAGGAG 943

     388  TTGAAGCAAGTGGGGCCAAAGCTCCAAAGAGGCTGAGGCTGAGCCAGCCCAAGAGACA 447
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
     944  GAGGGGCGAGCAGGAGGAGGGGCGAGGAGCGAGGAGGTGGAGCCCGGGGTGAGAGGCGAGTG 1000

     448  GCGGGCAAGGGCCATGGCCCAAGGGCGAGCCCAAGGCGAGGGGAGCTGTGGTG 498

1004  GAGGCCGGGCTCGAGGAGCTAGTGAAGGCCGGGGTTCGAGGAGCTAGTGAG 1054

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RESULT 11
S-09-050-863-2
Sequence 2, Application US/09050863
Patent No. 611411
GENERAL INFORMATION:
APPLICANT: Lao, Ying
APPLICANT: Hiang, Betty

APPLICANT: Pavan, Don
 TITLE OF INVENTION: Mammalian Protein Interaction Cloning
 TITLE OF INVENTION: System
 NUMBER OF SEQUENCES: 5
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Flehr, Hohnbach, Test, Albritton & Herbert
 STREET: 4 Embarcadero Center, Suite 3400
 CITY: San Francisco
 STATE: CA
 COUNTRY: USA
 ZIP: 94111-4187
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: JS/09/050,863
 FILING DATE: 30-MAR-1998
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Silva, Robin M.
 REGISTRATION NUMBER: 38,304
 REFERENCE/DOCKET NUMBER: A 55638/DJB/RMS
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 781-1989
 TELEFAX: (415) 949-8711
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2580 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 MOLECULE TYPE: DNA
 PS-09-050-863--2

Query Match	1.4%	Score 54.2	DB 3	Length 2580	
Best Local Similarity	45.7%	Pred. No. 0.023			
Matches	188	Conservative 0	Mismatches 223	Indels 0	Gaps 0
QY	88	CCGAGAACCCAGAGTGTGACCTTGGGATCAGAGGTGGCTGCCTGAGGAGACCTCCGAG	147		
Db	1027	CAGGAGGGCAGGAGCAGGAGGGGCGAGGAGGGCGAGGAGGGCGAGGAGCGAGAGGGG	1285		
QY	148	GAGGCTGAACACAGGCGCCCTATCAGCCCAAGAGCTTCAGCAGAAACCGAACTATTTCAG	207		
Db	1087	CAGGACGAGCAGGGCGAGGACGAGGAGGGCGCAGGACGAGGAGGGCGAGGAGCGAGG	1146		
QY	208	AGGATCGGGCAGCCACAGATCAGCTGAGCAGCATGAGCCCCCGGCCAGAGTCCACATC	267		
Db	1147	CAGGAGGGGCGAGGAGGGGCGAGGAGCGAGGAGGGGCGAGGAGGGCGAGGAGCGAGGGG	1206		
QY	268	CCCCAGGGGGAAGTCGACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	327		
Db	1207	CAGGAGGGGCGAGGAGGAGGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGG	1266		
QY	328	CAGAAAGTGAACAGAGCAGGCGCCCTCCCTCTCTCCCCCATCTGTTGAGNAGGCCA	387		
Db	1267	CAGGACGAGGAGGGGCGAGGAGGGGCGAGGAGCGAGGAGGGGCGAGGAGGGGCGAGGAGG	1326		
QY	388	TTGAGGCAAGGTGGGCGCAAGCTCCAAAAGAGCGCTGAGGCTGAGCCAGCCACAGGAGACA	447		
Db	1327	GAGGGCGAGGAGGAGGGGCGAGGACGAGAGGTGGAGGCCGGGGTCGAGGAGGCGCATG	1386		
QY	448	CGCGCCCAAGGGCCATGGCCCAAGGGCCAGCCCAAGGGCGAGCTGTGGTG	498		
Db	1387	GAGCCCGGGTCGAGGAGGCTAGTGGAGGCCGGGGTCGAGGAGGTAGTGGAG	1437		

RESULT 12
US-09-359-C81-2
; Sequence 2, Application US/09359381
; Patent No. 6316223

LENGTH: 8705

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: pShuttle

-09-647-344A-14

Query Match 1.4%; Score 54.2; DB 4; Length 8705;
Best Local Similarity 45.7%; Pred. No. 0.034;
Matches 188; Conservative 0; Mismatches 223; Indels 0; Gaps 0;
88 CCGGAGAGCCACACGCTGACCTGGGATCAGAGGTGGCTGCTTGGGAGACCTCCGAG 147
7643 CAGGAGGGGCGAGGACGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGG 7584
148 GAGGCTGAAGACAGAGCCCTTATCAGCCCAAGAGCTTCCAGCAGAAACGGAACCTATTTCAG 207
7583 CAGGAGCAGGAGGGGCGAGGACGAGCAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGG 7524
208 AGGATGGGGCAGCCACAGATCACAGTGAAGAGGAGTGAAGAGCCCGGCGCCAGGTCCACATC 267
7523 CAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGG 7464
268 CCCCAGGGGGAAGCCAGGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 327
7463 CAGGAGGGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 7404
328 CAAGAAGTGGAAACAAGAGCAGCGCGTCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 387
7403 CAGGAGCAGGAGGGGCGAGGAGGGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 7344
388 TTGAAGCAGGTGGGGCCAAAGCTCCAAAGAGGCTGAGGCTGAGCCAGCCAGGAGACA 447
7343 GAGGGCGAGGACGAGGAGGGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 7284
448 GCGGCGAAGGGCCATGGCCCAAGGGGCGAGCCCAAGGCGAGGGGAGCTGTGGTG 498
7283 GAGGCGGGGTCGAGGAGGCTACTGAGGCGCGGGGTCGAGGAGGTAGTGGAG 7233

RESULT 15

us-08-910-647-1

Sequence 1, Application US/08910647

Patent No. 6251433

GENERAL INFORMATION:

APPLICANT: Zuckermann et al.

TITLE OF INVENTION: Compositions and Methods for

TITLE OF INVENTION: Polynucleotide Delivery

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:

ADDRESSEE: Chiron Corporation

STREET: 4560 Horton Street

CITY: Emeryville

STATE: California

COUNTRY: U.S.A.

ZIP: 94608-2916

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/910,647

FILING DATE:

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Fujita, Sharon M.

REGISTRATION NUMBER: 38,459

REFERENCE/DOCKET NUMBER: 1218.002

TELECOMMUNICATION INFORMATION:

TELEPHONE: (510) 923-2706

TELEFAX: (510) 655-3542

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 9600 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-08-910-647-1

Query Match 1.4%; Score 54.2; DB 3; Length 9600;
Best Local Similarity 45.7%; Pred. No. 0.035;
Matches 188; Conservative 0; Mismatches 223; Indels 0; Gaps 0;
QY 86 CCGGAGAGCCACACGCTGACCTGGGATCAGAGGTGGCTGCTTGGGAGACCTCCGAG 147
Db 1073 CAGGAGGGGCGAGGACGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGG 1132
QY 148 GAGGCTGAAGACAGAGCCCTTATCAGCCCAAGAGCTTCCAGCAGAAACGGAACCTATTTCAG 237
Db 1133 CAGGAGCAGGAGGGGCGAGGACGAGCAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGG 1192
QY 208 AGGATGGGGCAGCCACAGATCACAGTGAAGAGGAGTGAAGAGCCCGGCGCCAGGTCCACATC 267
Db 1193 CAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGG 1252
QY 268 CCCCAGGGGGAAGCCAGGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 327
Db 1253 CAGGAGGGGCGAGGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGG 1312
QY 328 CAAGAAGTGGAAACAAGAGCAGCGCGTCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 387
Db 1313 CAGGAGCAGGAGGGGCGAGGAGGGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1372
QY 388 TTGAAGCAGGTGGGGCCAAAGCTCCAAAGAGGCTGAGGCTGAGCCAGCCAGGAGACA 447
Db 1373 GAGGGCGAGGACGAGGAGGGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1432
QY 448 GCGGCGAAGGGCCATGGCCCAAGGGGCGAGCCCAAGGCGAGGGGAGCTGTGGTG 498
Db 1433 GAGGCGGGGTCGAGGAGGCTACTGAGGCGCGGGGTCGAGGAGGTAGTGGAG 1483

Search completed: October 16, 2003, 17:06:29

Job time : 163.171 secs

121 GGTGGCTGCTGAGGAGACCTCCGAGGAGCTCAAGACAGGCGCTATCAGCCCAAGAGC 180
181 TTCCAGCAGAAACCGAATATTTCCAGAGGATGGGAGGACACAGATCAAGTGGAGAGC 240
181 TTCCAGCAGAAACCGAATATTTCCAGAGGATGGGAGGACACAGATCAAGTGGAGAGC 240
241 ATGAAGCCCGCGCCCAAGGTCACATCCCGCAGGGGGAAGCGCAGGAGGAGGAGGAG 300
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301 GAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 360
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361 CCTCTCTCCCGCCATCGTCAAGAGCCATTTGAAGCAAGGTGGGGCCAAAGCTCCAAAAGAG 420
421 GCTGAGGCTGAGCCAGCCAAAGGAGACAGCGGCCAAAGGCCCATGGCCAAAGGCCAGCCCAA 480
421 GCTGAGGCTGAGCCAGCCAAAGGAGACAGCGGCCAAAGGCCCATGGCCAAAGGCCAGCCCAA 480
481 GGCAGGGGAGCTGTGGTGGCAGTCCAGACTCCAGGCCCAAGGCCCATGGCCAAAGGCCAGGG 540
481 GGCAGGGGAGCTGTGGTGGCAGTCCAGACTCCAGGCCCAAGGCCCATGGCCAAAGGCCAGGG 540
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661 CCAAGCTGGTATCAACGGTGGCCACTCGTCCCGCGCATGCTGTCGCCAGCCAGGAA 720
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2281 GGAGCTTCTCAGCTTCTCAGAGGCTTCTTCCCGCGCTCGACAGGCTGATGCCCTACC 2340
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241 ATGAAGCCCGCCGCAAGGTCCACATCCCCCAGCGGAAGCGCAGGAGGAGGAG 300
301 GAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 360
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361 CCTCTCTCCCGCCATCGTGAAGAGCCATTGAAGCAAGTGGGGCCAAAGCTCCAAAGAG 420
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1441 GCTCCACCTTGAGCTGTACCTGAAGAGGAGAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1500
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1501 GGGCCATCAGAGCGCTGGT 1560
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1561 TCATCCCGCTTGCGAGCTACATCACTGACAACTGTGAGCTTCCACCGTGGGG 1620
1621 ACCTCATCAAGCTGT 1680
1621 ACCTCATCAAGCTGT 1680
1681 GGGGCGCTTCCGAGCTTCTGT 1740
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1741 CTTTCTTCAAGGAGGAGGAGT 1800
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1801 GGCTGT 1860
1801 GGCTGT 1860
1828 ----- 1827
1861 CAAGGCTGT 1920
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1981 CTTTGTCTTCCAGCAAGACTGT 2040
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2041 CTTTGTCTTCCAGCAAGACTGT 2100
1828 ----- 1827
2101 TTCACCTTCTGT 2160
1828 ----- 1827
2161 GGGCAGACCCCTTGGACAGGGCACTGT 2220
1828 -AGCGGCTTCCCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1886
2221 CAGGCGCTTCCCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2280
1887 TCCTCTGT 1946
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1947 GGGGCTTCTTCCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2006
2341 GGGGCTTCTTCCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2400
2007 AAGGACACGAG 2066
2401 AAGGACACGAG 2460

QY 2067 CTCACTGATGTGAGCAAGCTGGCTGTAGCAGCTTCTCTGG-CCCTGATGCGGTTTAT 2125
DB 2461 CTCAGTGATGTGAGCAAGCTGGCTGTAGCAGCTTCTCTGGCCCTGATGCGGTTTAT 2520
QY 2126 GGGTGACCACTCAAGACCCCGGGGCAAGGATGAGATGATCTGTCTATGAACCTGCTGAA 2185
DB 2521 GGGTGACCACTCAAGACCCCGGGGCAAGGATGAGATGATCTGTCTATGAACCTGCTGAA 2580
QY 2186 GGTGTGACCAAGGAGAGCTGAGGGATGAGATTTACTTGGCAGGTTATCAAGCAGGTTAC 2245
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QY 2666 GCAGCGCGCGGAATACCTCAACAGAGCTGTGTAGTGACCAAGGAGCTGAGCTGACAG-CG 2724
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QY 2725 GGGGCTCCACTGGGAGACCCACTGCACTTCCATTAACCTCACTACATCAGCACCCACTA 2784
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RESULT 3

US-09-822-849A-265
; Sequence 265, Application US/09822849A
; Patent NO. US20020045170A1

GENERAL INFORMATION:

; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Agostino, Michael J.
; APPLICANT: Howes, Steven H.
; APPLICANT: Resnick, Richard J.
; APPLICANT: Gulukota, Kamalakara
; APPLICANT: Graham, James R.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
; FILE REFERENCE: GIN 6403
; CURRENT APPLICATION NUMBER: US/09/822,849A
; CURRENT FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: 60/195,582
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 598
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 265
; LENGTH: 1960
; TYPE: DNA
; ORGANISM: Homo sapiens

US-09-822-849A-265

Query Match 50.1%; Score 1894.4; DB 9; Length 1960;

Best Local Similarity 99.1%; Pred. No. 0;
Matches 1926; Conservative 0; Mismatches 16; Indels 2; Gaps 2;
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5 GGTGGCCACAGGTTTCTTGTGATCCGAGCGCCCTGCCACCCCTTGGAGCCAGCACAG 64
1862 TGACACTCCGAGGCCACACAGCTGTCTCTGTGGCTATGCGCTTTCTGCGCCAGCTCCCA 1921
65 TGACACTCCGAGGCCACACAGCTGTCTCTGTGGCTATGCGCTTTCTGCGCCAGCTCCCA 124
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125 CAGCTACACCATGACGAATTCGCGCGGCTTACTTCCGAGGTCCAGGCTTGTGGG 184
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RESULT 4

US-09-803-126-2
; Sequence 2, Application US/09803126
; Patent No. US20020099190A1
; GENERAL INFORMATION:
; APPLICANT: Brooks, Alan R.
; APPLICANT: Deng, Gary G.
; APPLICANT: Rubanyi, Gabor M.
; TITLE OF INVENTION: Estrogen-Regulated Unconventional Myosin-Related
; Protein: Compositions and Methods of Use


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; FILE REFERENCE: 015303-000310US
; CURRENT APPLICATION NUMBER: US/09/803,126
; CURRENT FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: US 60/188,488
; PRIOR FILING DATE: 2000-03-10
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 6293
; TYPE: DNA
; ORGANISM: Mus sp.
; FEATURE:
; OTHER INFORMATION: Mouse myosin related protein (MRP) variant 1 cDNA
US-09-803-126-2

Query Match: 39.4%; Score 1490; DB 9; Length 6293;
Best Local Similarity 67.1%; Pred. No. 0;
Matches 2558; Conservative 0; Mismatches 810; Indels 422; Gaps 12;

QY 4 CAGGAGGAGGCTGGGCTCCGAGGCTGGTCCGAGGCTCAGCCTCAGCCTCAGCCTCC 63
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DB 2357 AAGGCCAAGAGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2416
QY 124 GCTGCTGCTGAG--GGAGAGCTCCGAGAGGCTGAGAGCAGGAGGAGGAGGAGGAGGAGG 180
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Db 5501 GCTGCTTCAACAATTCGACAAACCCGAACTTCTAGTCTTCCATCAGAGCAAGAGCTG 5560
QY 2918 CTAGCTTACGCTCCAAAGCAGCTGCAGGAGGTGCAACAGGCTTCCATCAAGAACTG 2977
Db 5561 CTGCTTATATTTCCAAAGCCTTGCATGAGGAGTGAACACAGCCCAACATAAAGAGCTT 5620
QY 2978 ATGGGTACAGGCTGAGAGCGGTGGAAGGACACAGCCCCCAGGAAGCAGATCAGCTTC 3037
Db 5621 GTGACCCAGAGCTGAGGAGATGCAAGGATGCAAGCAGCAGAGCAGATGAGCTT 5680
QY 3038 ATTGAGGCTACAGGAGCTGCGCTTCTCGCTCAGCTTACCGTCTATGGGGTGTCTGAGTG 3097
Db 5681 ATAGAGAGCAGAGCGAGCTGCGCTTCTTGGCTACACTGTGTAGCTAGTGTGAGT 5740
QY 3098 AGCATGAGGCTGCTCCGAGCCACTCTCTGGGCTCAACGGCAGCATCTCATCTC 3157
Db 5741 AGTAAGCTGGCTTCTCGAGCCAGGCTTCTGGGCTGAACCGTCAGCAGCTTGGCTCTC 5800
QY 3158 ATGAGCCCAAGCTCCCAAGAGCTGACTGCGCAATTCGCTTGAAGAGCTTGCAGGCTC 3217
Db 5801 ATGAGCCCAAGCTCAGGAATCTCTGCTGCTGTGCTGCTTAAGAGCTTGAAGTATG 5860
QY 3218 CACTGCTAAGGCTTCTGAGGAGAGGCGGCTTGGCTTGAAGTCAACTATGCTCA 3277
Db 5861 CACTGCTAAGGCTTCTGAGGAGAGGCGGCTTGGCTTGAAGTCAACTATGCTCA 3277
QY 3278 GCTGACAAACCCAGACCATCTGGTTGAGCTGSCACAGCCAGGAGCTGTATACAG 3337
Db 5921 GTTGACAAACCCAGACCATCTGGTTGAGTTCGACAGGCGGAGGAGCTGCAGCACCC 5980
QY 3338 ACTGCTTCTCTGATAGACAGCAGTGCCTCT 3367
Db 5981 ATCATCTTCTGCTGGCAGCATGTCCACT 6010

RESULT 5
US-09-764-868-145
; Sequence 145, Application US/09764868
; Patent No. US2002016871A1;
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 145
; LENGTH: 1247
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-868-145
Query Match 25.2%; Score 954.4; DB 10; Length 1247;

Best Local Similarity 99.7%; Pred. No. 2.1e-218;
Matches 955; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 872 ACTGCTCTGCCGAGGACCCAGGAGCCCTTTCAGAGAGCGTGTGCTGTGACACAGCC 931
Db |||||
1 ACTGCTCTGCCGAGGACCCAGGAGCCCTTTCAGAGAGCGTGTGCTGTGACACAGCC 60
Qy 932 CGTGAGGACACAGGGGTCTCCACCAGCTACTCGGCCCTCTGGCAGCGTGTGCTCTC 991
Db |||||
6 CGTGAGGACACAGGGGTCTCCACCAGCTACTCGGCCCTCTGGCAGCGTGTGCTCTC 120
Qy 992 CTACACGGGACGGCCCTGGAAGTGTCTCTACCAAGGAGGTGTCTACCCACGGGAGAA 1051
Db |||||
121 CTACACGGGACGGCCCTGGAAGTGTCTCTACCAAGGAGGTGTCTACCCACGGGAGAA 180
Qy 1152 CTTGAGCCATCCCTACTACTAGGCTCTCTGTGAGCAGATCCTAAGGGACACCTTCTC 1111
Db |||||
181 CTTGAGCCATCCCTACTACTAGGCTCTCTGTGAGCAGATCCTAAGGGACACCTTCTC 240
Qy 1112 CGAGTCTGTATCCGGATTTCGAGATGAGCGGGGAGAAATGAAGACCTGTGCGAGG 1171
Db |||||
241 CGAGTCTGTATCCGGATTTCGAGATGAGCGGGGAGAAATGAAGACCTGTGCGAGG 300
Qy 1172 CTTGAGGTGACCTGGATTCTCTACCAACACGAGACAGCGTCAAGAGCGCATCGT 1231
Db |||||
301 CTTGAGGTGACCTGGATTCTCTACCAACACGAGACAGCGTCAAGAGCGCATCGT 360
Qy 1232 CGTGGCCGTCTGGGACAACTGGGCAATTACTTCTCCGCTCTTCTCTGCTCTCGGCGA 1291
Db |||||
361 CGTGGCCGTCTGGGACAACTGGGCAATTACTTCTCCGCTCTTCTCTGCTCTCGGCGA 420
Qy 1292 GAGTGGGAGCAGCTGAGCTGTAGCGGTGTCCACGGTGGGCTGAGCTGTCAAGGT 1351
Db |||||
421 GAGTGGGAGCAGCTGAGCTGTAGCGGTGTCCACGGTGGGCTGAGCTGTCAAGGT 480
Qy 1352 GACCCAGGCCCCGGCTCCGCGCCGACCGCTGAAGATTCTCTGCTCATACAGCTTGC 1411
Db |||||
481 GACCCAGGCCCCGGCTCCGCGCCGACCGCTGAAGATTCTCTGCTCATACAGCTTGC 540
Qy 1412 GGAGGTCTGGGTGTGGAGTCCGCGGGGCTCCACCTCTGGAGTGTCACTGAAGAGCGA 1471
Db |||||
541 GGAGGTCTGGGTGTGGAGTCCGCGGGGCTCCACCTCTGGAGTGTCACTGAAGAGCGA 600
Qy 1472 GCACTGTGTGTGACACAGCCGGGCAAGGGCCATGAGCGGTGTGAGCTATTCTT 1531
Db |||||
601 GCACTGTGTGTGACACAGCCGGGCAAGGGCCATGAGCGGTGTGAGCTATTCTT 660
Qy 1532 GAATGAGCTTAAGAGGACTCCGCTATGTATCGCCCTGCGAGCTACATCACTGACAA 1591
Db |||||
661 GAATGAGCTTAAGAGGACTCCGCTATGTATCGCCCTGCGAGCTACATCACTGACAA 720
Qy 1592 CTGAGCCCTCTCAGCTTCCACCGTGGGAGCTCATCAAGCTGTGCGGTGGCCACCT 1651
Db |||||
721 CTGAGCCCTCTCAGCTTCCACCGTGGGAGCTCATCAAGCTGTGCGGTGGCCACCT 780
Qy 1652 GGAGCCAGCTGGGAGTGTGCTGTCCGGGGGGGCTTCCGAGCTCTTCTCTGCGGACAT 1711
Db |||||
781 GGAGCCAGCTGGGAGTGTGCTGTCCGGGGGGGCTTCCGAGCTCTTCTCTGCGGACAT 840
Qy 1712 AGTCCAGCGGCTGCGCTCCGACTTTCCTTCTCCAGGAGCAGAGGTGCTGGCA 1771
Db |||||
841 AGTCCAGCGGCTGCGCTCCGACTTTCCTTCTCCAGGAGCAGAGGTGCTGGCA 900
Qy 1772 CAAGGGTCAGCTGTCCAGGGGAGAACAGGCTGGCTCGTGGGACAGGGCTCTCAGAG 1829
Db |||||
901 CAAGGGTCAGCTGTCCAGGGGAGAACAGGCTGGCTCGTGGGACAGGGCTCTCAGAG 958

RESULT 6

US-09-803-126-3
; Sequence 3, Application US/09803126
; Patent No. US20020099190A1
; GENERAL INFORMATION:

; APPLICANT: Brooks, Alan R.
; APPLICANT: Deng, Gary G.
; APPLICANT: Rubanyi, Gabor M.
; TITLE OF INVENTION: Estrogen-Regulated Unconventional Myosin-Related
; FILE REFERENCE: 015303-000310US
; CURRENT APPLICATION NUMBER: US/09/803,126
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: US 60/188,488
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 4375
; TYPE: DNA
; ORGANISM: Mus sp.
; FEATURE:
; OTHER INFORMATION: Mouse myosin related protein (MRP) variant 2 cdna
US-09-803-126-3

Query Match 25.0%; Score 946.4; DB 9; Length 4375;
Best Local Similarity 72.2%; Pred. No. 2.2e-216;
Matches 1290; Conservative 0; Mismatches 475; Indels 22; Gaps 4;

Qy 4 CAGCAGCGCTCGGCGCTCCGAGGCTGCTCCAGGCTCACCCTCAGCGCTCACCCTCC 63
Db |||||
2297 CAGCAGCGCTCAGACCTCTGGGGCCACTCCAGGCTCCACCTCAACCACTGCTCCC 2356
Qy 64 AAGCCAGGAAGCCCCCACACCCCCGGAGAGCCACAGCGTGAACCTGGGATCAGAGGT 123
Db |||||
2357 AAGCCAGGAAGCTCTGCCCCCAAGAGAGCCAGAGTAACTAGAGCTTCGGGT 2416
Qy 124 GGCTGCTGAG---GGAGACCTCCGAGGAGGTGAAGAGCGCCCTATCAGGCCAAGAGC 180
Db |||||
2417 GTTGGCTTGAGAGAGCACCCCCAGAGGAAGCTGAAAGCAAGCCTCAGCGCCCCAAGAGC 2476
Qy 181 TTCACGCGAAGCGGACTATTTCAGAGAGTGGGGCAGCCACAGATCAGATGAGAGCG 240
Db |||||
2477 TTCACGCGAAGCGGACTATTTCAGAGAGTGGGGCAGCCAGATCCGATCAGATGAGAGCG 2536
Qy 241 ATGAAGCCCCCGCCCAAGGCTCCACATCCCCCAGGGGGAAGCGCAGGAGGAGGAGGAG 300
Db |||||
2537 GTGAACCTTCAGCAGAGGTTTCAATCCCCCAGAGAGATGAGAGAGCGAGGAGGAG 2596
Qy 301 GAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 359
Db |||||
2597 GAGGATGAGAGCGCCGAGTGTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2656
Qy 360 -----TCCT 413
Db |||||
2657 CTGAAGCGCAGCAGGCGCCAAAGCGCTAAAGGAAGATGAGGCGAGAGCCCGCCAGGAGAA 2716
Qy 414 AAAAGAGGCTGAGGCTGAGCCAGCCAGGAGCAGCGGCGCCAGGGGCGATGGCCAGGGCC 473
Db |||||
2717 GTACCGACCGAGCGCAGGATCCCCCGGTGACAGCTCCAACTCCGCACTCAGCACCCC 2776
Qy 474 AGCCCAAGGAGGAGGAGCTGTGTGCGCAGTCAAGCTCAAGGCCCAAGCGGCCACAACCC 533
Db |||||
2777 AAACCCAGCAGGGTACCCCGCAGTGCAGAGCTCCAACTCCGCACTCCACCGCCGCAACCC 2836
Qy 534 AGCAGGGAATGGCAACATCATCCGCTGTACAGAGCGCGCGCGCGCGCTGCTGCTGTG 593
Db |||||
2837 AGCAGGGAATTCGAAACATCATCCGAATGTACAGAGCGCTCCAGGCGCTGTGCTGTG 2896
Qy 594 CCGGTGAGCCATCCAGGCTCCCAAGCTTTCCTGAGGAATCGACCCCAAGGAGCAG 653
Db |||||
2897 CCGGTACACCCAGCAGGCGCCATCAAACTTTTCAGAGGAATGACCCCTAAGGATGAG 2956
Qy 654 GCTCTGGCCAGCTGGGTATCAACGGTGGCCACTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 713
Db |||||
2957 GCTTTGGCTAAGTTAGGAGTAATGGCTCCACTTCTGCCCCCTATCGA---CATCGCCTAAC 3013
Qy 714 CCAGGAAGGGCCCCCGCGCAGCTGTGGCTCTCTCGACCCCAAGGCCCGCTACAGCTTGGG 773

3014 CAAGGGAAGAGCTCTCCACGGGCTGATGTTCTCGACCTTAAGGCTCGACCTCGTCTTGAG 3073

774 CCTCTAGCTCCATTCAAGGAAGACAGGGGCCCTTCTGGACCTGTTTGGC----- 824

3074 CCTTCCCTATCCATCAGGAAGAAGCAGGAGCCCTTCCTGGGACTGTTTGGCCCATGTAGT 3133

825 CAGAAGCTGCCATTATGGCCACACACCCCAACCTTCACACGAGCCACCACTCCCTCTCCCC 884

3134 CCAAAACCCTCTCAGCTCCAGACAGCCCGGCTCCACACGACACTCCACCGCTCTGTCT 3193

885 GAGGACCAGGGAACCTTTGACGAGAGCTGTTGCTTGACACAGCCCGTGGAGACCAG 944

3194 GGGGAGCCCAAGACCCCTTCAGTGGAGTCTCATGCGCTTGACAGAGCCCATCGAGAGCAAG 3253

945 GGGGTCTCCACCAGCTACTCGGCGCCTCTGGCAGGCTGTCTCTCTACACCGGCACG 1004

3254 AACATCTCCACAAAGCTCCTTGTGCCCTCTGGAGTGTGTCTTCTCTATGCCAATGCA 3313

1005 CCTCGAAGTTGTTCTTACGCAAGAGGTGTTCTACCCACGGGAGAACTTCAGCCATCCC 1064

3314 CCTCGAAGTTGTTCTTACGCAAGAGGTCTTACCCCGGGAGAACTTCAGTCACTCCA 3373

1065 TACTACTGAGGCTCCTCTGTGACGAGATCCTACGGGACACCTTCTCCAGTCTGTATC 1124

3374 TACTGCTCAGTCTCTCTGTCAGCAGATCTCGCGGACACCTTCACAGAGTCTCGACC 3433

1125 CGGATTTCCAGATGAGCGCGGAAAAAGAAAGACTCTCGGGAGGCTTCGAGTGGAC 1184

3434 CGGATCTCACAGGATGAGCGGCACAAATGAAGGCTTCTGGGAGACTTGGAGTGAGT 3493

1185 CTGGATTCTCTCACACACGCAAGACAGCGTCAAGAAGCGATCTGTGTGGCCGCTCGG 1244

3494 CTGGAGACCTTGACATTGTTGAAGACAGCATCAAAAAACGATCGTGTGCTGCTCGG 3553

1245 GACAACTGGGCGCAATTACTTCTCCGCTTCTTCTCTCTCGGGCAGAGTGGCAGCGAC 1304

3554 GACAACTGGGCGCAATTACTTCTCCGCGATCTTCCCAAGTCTCGGGGTGAGAGTGGCAGCGAT 3613

1305 GTGCAGCTGTTTAGCCGTCTCCACCCTGGGCTCGCACTGCTCAAGTGACCCCAAGGCCCC 1364

3614 GTACAGCTGTGGGTGTGTCTCACGGGGAGCTCGGCTGCTCAAGGTGACCCAAAGCCCG 3673

1365 GGCCCTCCGCGCCGACCACTCAAGATTCTCTGTCTCATACAGCTTTTCGGAGGTCTGGT 1424

3674 AGCTTCCACCTGGACACAGCTGAAGACACTCTGTCTCTACAGTATGCTGAATCCTGACC 3733

1425 GTGGAGTCCGGGGCGCTCCACCCTCGAGCTGTCACTGAAGAGCGACAGCTGGTGCTG 1484

3734 GTGGAGTGCAGGGGAGATCACCCCTGGAGCTGTCTTGAAGAAATGAGCAGCTGATCTG 3793

1485 CACACAGCCCGGGCAAGGCCATTCAGGCGCTGGTGTGAGTATTCCTGAATGAGCTTAAG 1544

3794 CACACAGCTTGGCGAGGGCCATCAAGGCCATGGTGAATCTATTTCTGAGTGAATCAGG 3853

1545 AAGGACTCCGGCTATGTGTCATCGCCCTGGGAGCTAGATCACTGACAACTGACAGCTCTCTC 1604

3854 AAGGACTCCGGCTATGTGTCATCGCCCTGGCAGCTAGATCACCGATGCAATAGAGCTCTCTC 3913

1605 AGCTTCCACCGTGGGAGCTCATCAAGCTGTCGGTGGCCACCTGGAGCGAGCTGG 1664

3914 AGTTTCCACCGTGGGAGCTCATTAGGTTACTGCCAGTACCGCTCTGMAACGAGCTGG 3973

1665 CAGTTTGGCTCTGCGGGGGCGGCTTCCGGACTCTTTCTCGCGCATATGTGAGCGCGCT 1724

3974 CAGTTCGGTCTTCCGGGGGCGGCTCCGGACTCTTTCCGATGACGTGTGTCAGCCACT 4033

1725 GCGCTGCCGACTTTTCTCTTCCAAAGACAGAGGAGTGGCTGGCA 1771

4034 GCTGCCCGCCGACTCTCTCTTTTCTCGGAAGAGAAACAGCTGGCA 4084

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US-09-918-995-1723
; Sequence 1723, Application US/09s18995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/03/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1723
; LENGTH: 444
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-918-995-1723

Query Match 11.7%; Score 443; DB 11; Length 444;
Best Local Similarity 100.0%; Pred. No. 3.4e-96;
Matches 443; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 619 AACCTTTCTGAGGAAATCGACCCCAAGACAGAGCTCTGCGCAAGCTGGGTATCAACG 678
DB 2 AAGCTTTCTTGAGGAAATCGACCCCAAGACAGAGCTCTGCGCAAGCTGGGTATCAACG 61

QY 679 GTGCCCACTGTCTCCCGCCCATGCTGTCTCCCGCCAGCCAGGAAAGGGCCCCCGCCACGCTG 738
DB 62 GTGCCCACTGTCTCCCGCCCATGCTGTCTCCCGCCAGCCAGGAAAGGGCCCCCGCCACGCTG 121

QY 739 TGGCTCTCTGACGCAAGGCCCGCGTACAGTCTGGGCGCTCTAGTCTCATCAAGAGAAAGC 798
DB 122 TGGCTCTCTGACGCAAGGCCCGCGTACAGTCTGGGCGCTCTAGTCTCATCAAGAGAAAGC 181

QY 799 AGGGGCCCCCTCTGGACCTCTTTGGCCAGAGAGTGCCTATTGCCCCACACACCCCCACCTC 856
DB 182 AGGGGCCCCCTCTGGACCTCTTTGGCCAGAGAGTGCCTATTGCCCCACACACCCCCACCTC 241

QY 859 CACCAGCGGCCACCACTGCCTCTCTCCCGAGGACCCAGGAGCCCTTTCAGCAGAGCGTCTG 915
DB 242 CACCAGCGGCCACCACTGCCTCTCTCCCGAGGACCCAGGAGCCCTTTCAGCAGAGCGTCTG 301

QY 919 GCTTGACACAGCCGCTGGAGGACACAGGGGCTCTCCACCCAGACTACTCGCGCCCTCTGGCA 978
DB 302 GCTTGACACAGCCGCTGGAGGACACAGGGGCTCTCCACCCAGACTACTCGCGCCCTCTGGCA 361

QY 979 GCGTGTCTCTCTACACCGGACGCGCTTGGAGTGTTCCTACGCAAGAGAGGTGTCT 1038
DB 362 GCGTGTCTCTCTACACCGGACGCGCTTGGAGTGTTCCTACGCAAGAGAGGTGTCT 421

QY 1039 ACCACGGGAGAACTTCAGCCAT 1061
DB 422 ACCACGGGAGAACTTCAGCCAT 444

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RESULT 8
US-09-764-868-1347/c
; Sequence 1347, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: Ptz32
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-7
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 151C
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1347
; LENGTH: 24757
; TYPE: DNA

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; ORGANISM: Homo sapiens
US-09-764-868-1347

Query Match:
  11.7%; Score 442; DB 10; Length 24757;
Best Local Similarity 92.1%; Pred. No. 1.4e-95;
Matches 466; Conservative 0; Mismatches 42; Indels 0; Gaps 0;

QY 3254 GCGCTGGAGTCAATATATGGCTAGCTGACAAACCCAGACATCTGTGGTTGAGCTGCCA 3313
DB 4289 GCGCGGGCAGAGGGGAGGGGCTGCTGGGAGCCCTCTTGTAACAGGCCCTTCTCTGGG 4230

QY 3314 CAGSCCGAGGAGCTGCTATACACCACTGCTCTCTGATAGACAGAGTGCCTTGGACT 3373
DB 4229 CAGGCCCGAGGAGTCTATACACCACTGCTCTCTGATAGACAGAGTGCCTTGGACT 4170

QY 3374 GAGTGGCCAGCATCACTGAGAGAGTGCAGCGCGGGGAGAGAGAGATGAGGCTCC 3433
DB 4169 GAGTGGCCAGCATCACTGAGAGAGTGCAGCGCGGGGAGAGAGAGATGAGGCTCC 4110

QY 3434 CCGGCCCAAGTCTCACCCACATGCTTGGCTTGGATGCTATCAGATCACTGTCTAGAA 3493
DB 4169 CCGGCCCAAGTCTCACCCACATGCTTGGCTTGGATGCTATCAGATCACTGTCTAGAA 4050

QY 3434 CCGGCCCAAGTCTCACCCACATGCTTGGCTTGGATGCTATCAGATCACTGTCTAGAA 3553
DB 4049 CCGGCCCAAGTCTCACCCACATGCTTGGCTTGGATGCTATCAGATCACTGTCTAGAA 3990

QY 3554 GTCACGAGCAGCAAGAAAGAACAGCCAGACGCTCTCCAGGAGCGGCTCGGGCCAAAGCG 3613
DB 3989 GTCACGAGCAGCAAGAAAGAACAGCCAGACGCTCTCCAGGAGCGGCTCGGGCCAAAGCG 3930

QY 3614 GCTCAGGAACCTCGGCTGGGACCTGAGTTGCCAGTCTTGGAGAGATGCCACCCGA 3673
DB 3929 GCTCAGGAACCTCGGCTGGGACCTGAGTTGCCAGTCTTGGAGAGATGCCACCCGA 3870

QY 3674 CCGCAGGCTCGGCCAGGCCCCACATAGCACAGCCAGGATGGGAGAAACAGCTGCT 3733
DB 3869 CCGCAGGCTCGGCCAGGCCCCACATAGCACAGCCAGGATGGGAGAAACAGCTGCT 3810

QY 3734 GAGGAATAAATAACTCCCTAAAAAAA 3759
DB 3809 GAGGAATAAATAACTCCCTGGAGAAA 3784

RESULT 9
US-09-918-995-10839
; Sequence 12839, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 10839
; LENGTH: 458
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(458)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-10839

Query Match
Best Local Similarity 7.8%; Score 294.4; DB 11; Length 458;
Matches 295; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

; ORGANISM: Homo sapiens
US-09-954-456-176/c
; Sequence 176, Application US/09954456
; Patent No. US20020115057A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Ca
; FILE REFERENCE: 689290-76
; CURRENT APPLICATION NUMBER: US/09/954,456
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/60/233,617
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,052
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,923
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,134
; PRIOR APPLICATION NUMBER: US/60/235,637
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,638
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,711
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,720
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,840
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,863
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 176
; LENGTH: 311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-456-176

Query Match
Best Local Similarity 7.7%; Score 292; DB 10; Length 311;
Matches 306; Conservative 0; Mismatches 5; Indels 1; Gaps 1;

QY 3447 TCACCCACATGGTCTGCTGGATGCTATCAGATCACTGTCTAGAACCTGCTCAGCAC 3506
DB 311 TCACCCACATGGTCTGCTGGATGCTATCAGATCACTGTCTAGAACCTGCTCAGCAC 252

QY 3507 AGCCACAGCCGCCACATGAGGCGCATGAGGCGGCTGCTATCAGTCAACAGCAGGC 3566
DB 251 AGCCACAGCCGCCACATGAGGCGCATGAGGCGGCTGCTATCAGTCAACAGCAGGC 192

QY 3567 AAGAAAACAGCCAGACCCCTCTCCAGGACCGCCCTGGGGCCAAAGCGGCTGCAGGAACCTC 3626
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191 AAGAAACAGCCAGACCTCTCCAGACTGCCTGGGGCCAAAGCGGGCTGCAGGAATC 132
3627 GGCTGGGGCACCTGAGGTGGCCAGTCTGAGGAGATGCCACCCAGACCCAGGCTCCGC 3686
131 GGCTGGGGCACCTGAGGTGGCCAGTCTGAGGAGATGCCACCCAGACCCAGGCTCCGC 73
3687 CCAGGCCCCACATTAGCACCAAGCCAGGCATGGGAGAAACAGTGTGAGGAATAAATC 3746
72 CCAGGCCCCACATTAGCACCAAGCCAGGCATGGGAGAAACAGTGTGAGGAATAAATC 13
3747 TCCCTAAAAAAA 3758
12 TCCCTGGAGAA 1

SULT 11
-09-954-456-861/c
Sequence 861, Application US/09954456
Patent No. US20020115057A1
GENERAL INFORMATION:
APPLICANT: Young, Paul
TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Can
FILE REFERENCE: 689290-76
CURRENT APPLICATION NUMBER: US/09/954,456
CURRENT FILING DATE: 2001-09-18
PRIOR APPLICATION NUMBER: US/60/233,617
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: US/60/234,052
PRIOR FILING DATE: 2000-09-20
PRIOR APPLICATION NUMBER: US/60/234,923
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: US/60/235,134
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: US/60/235,637
PRIOR FILING DATE: 2000-09-26
PRIOR APPLICATION NUMBER: US/60/235,638
PRIOR FILING DATE: 2000-09-26
PRIOR APPLICATION NUMBER: US/60/235,711
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US/60/235,720
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US/60/235,840
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US/60/235,863
PRIOR FILING DATE: 2000-09-27
NUMBER OF SEQ ID NOS: 2276
SOFTWARE: PatentIn version 3.0
SEQ ID NO 861
LENGTH: 311
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: n=a,t,g or c
-09-954-456-861

Query Match 7.7%; Score 292; DB 10; Length 311;
Best Local Similarity 98.1%; Pred. No. 4.2e-60;
Matches 306; Conservative 0; Mismatches 5; Indels 1; Gaps 1;
3447 TCACCCACATGGTCTGCTTGGATGCTATCAGATCACTGTTCTAGAACCTGCTCAGCAC 3506
311 TCACCCACATGGTCTGCTTGGATGCTATCAGATCACTGTTCTAGAACCTGCTCAGCAC 252
3507 AGCCAGCGGCCACATGAGGCCATGAGCGGGCTGCTATCAGTCAACAGGAGGC 3566
251 AGCCAGCGGCCACATGAGGCCATGAGCGGGCTGCTATCAGTCAACAGGAGGC 192
3567 AAGAAACAGCCAGACCTCTCCAGGACGCTGGGGCCAAAGCGGGCTGCAGGAATC 3626
191 AAGAAACAGCCAGACCTCTCCAGGACTGCCTGGGGCCAAAGCGGGCTGCAGGAATC 132

3627 GGCTGGGGCACCTGAGGTGGCCAGTCTGAGGAGATGCCACCCAGACCCAGGCTCCGC 3686
131 GGCTGGGGCACCTGAGGTGGCCAGTCTGAGGAGATGCCACCCAGACCCAGGCTCCGC 73
3687 CCAGGCCCCACATTAGCACCAAGCCAGGCATGGGAGAAACAGTGTGAGGAATAAATC 3746
72 CCAGGCCCCACATTAGCACCAAGCCAGGCATGGGAGAAACAGTGTGAGGAATAAATC 13
3747 TCCCTAAAAAAA 3758
12 TCCCTGGAGAA 1

RESULT 12
US-09-880-107-1520/c
Sequence 1520, Application US/09880107
Patent No. US2002042981A1
GENERAL INFORMATION:
APPLICANT: Horne, Darci T.
APPLICANT: Vockley, Joseph S.
APPLICANT: Scherf, Uwe
APPLICANT: Gene Logic, Inc.
TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
FILE REFERENCE: 44921-5028-WO
CURRENT APPLICATION NUMBER: US/09/880,107
CURRENT FILING DATE: 2001-06-14
PRIOR APPLICATION NUMBER: US 60/211,379
PRIOR FILING DATE: 2000-06-14
PRIOR APPLICATION NUMBER: US 60/237,054
PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 3950
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1520
LENGTH: 311
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: Genbank Accession No. US2002042981A: AA621277
US-09-880-107-1520

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Best Local Similarity 98.1%; Pred. No. 4.2e-60;
Matches 306; Conservative 0; Mismatches 5; Indels 1; Gaps 1;
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US-09-873-367C-641/c
Sequence 641, Application US/09873367C

Search completed: October 17, 2003, 04:23:10
Job time : 666.727 secs

Query Match 4.5%; Score 170; DB 9; Length 170;

GenCore version: 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

cy nucleic acid nucleic search, using sw model

Run on: October 16, 2003, 16:49:23 ; Search time 715.242 Seconds
(without alignments)
15325.527 Million cell updates

Title: US-09-803-126-5

Verdict: scores

Sequence: 1 cggcagcaggctcgggc.....aaaaaaaaaaaaaa 4174

Scoring table: IDENTITY NCC

Gapop 10.0 , Gapext 1.0

Searched: 1750203 seqs. 1313063994 residues

total number of hits satisfying chosen parameters:	3500496
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M: r:elle cB say length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100

Listing first 45 summaries

Database : Published Applications NA: *

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	1923.4	46.1	1960	9	US-09-822-849A-265
4	1787.6	42.8	6293	9	US-09-803-136-2
5	1232.2	29.5	1247	10	US-09-764-868-145
6	946.4	22.7	4375	9	US-09-803-136-3
7	715	17.1	24757	10	US-09-764-868-1347
8	442	10.6	444	11	US-09-918-995-1723
9	425.4	10.0	458	11	US-09-918-995-10839
10	292	7.0	311	10	US-09-954-456-176
11	292	7.0	311	10	US-09-954-456-861
12	292	7.0	311	10	US-09-880-107-1520
13	292	7.0	311	12	US-09-873-367C-641
14	186	4.7	526	9	US-09-864-761-7087
15	170	4.1	170	9	US-09-864-761-23818
16	149.8	3.6	233	9	US-09-864-761-24717

ALIGNMENTS

RESULT 1

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US-09-803-126-5
; Sequence 5, Application US/098303126
; Patent No. US20020099190A1
GENERAL INFORMATION:
; APPLICANT: B'COOKS, Alan R.
; APPLICANT: Deng, Gary G.
; APPLICANT: Rubanyi, Gabor M.
; TITLE OF INVENTION: Estrogen-Regul
; TITLE OF INVENTION: Protein: Comp
; FILE REFERENCE: 015303-000310US
CURRENT APPLICATION NUMBER: US/09/
CURRENT FILING DATE: 2001-03-09
PRIOR APPLICATION NUMBER: US 60/18
PRIOR FILING DATE: 2000-03-10
NUMBER OF SEQ ID NOS: 35
SOFTWARE: Patent In Ver. 2.1
SEQ ID NO 5
LENGTH: 4174
TYPE: DNA
ORGANISM: Homo sapiens
FRATIDP

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FEATURE: Partial DNA sequence for human myosin related
OTHER INFORMATION: protein variant 1 (hMRP1)
OTHER INFORMATION:

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Query Match      100.0%; Score 4174; DB 9; Length 4174;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 4174; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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; Sequence 7, Application US/09803126

; Patent No. US20020099190A1

; GENERAL INFORMATION:

; APPLICANT: Brooks, Alan R.

; APPLICANT: Deng, Gary G.

; APPLICANT: Rubanyi, Gabor M.

; TITLE OF INVENTION: Estrogen-Regulated Unconventional Myosin-Related

; FILE REFERENCE: 015303-000310US

; CURRENT APPLICATION NUMBER: US/09/803,126

; PRIOR FILING DATE: 2001-03-09

; PRIOR APPLICATION NUMBER: US 60/188,488

; NUMBER OF SEQ ID NOS: 35

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 7

; LENGTH: 3780

; TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

OTHER INFORMATION: Partial DNA sequence for human myosin related

OTHER INFORMATION: protein variant 2 (hMRP2)

-09-803-126-7

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Matches 3778; Conservative 0; Mismatches 0; Indels 396; Gaps 3;
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Db 1828 ----- 1827
QY 2161 GGGCAGGACCCCTGGGACAGGCACTGACACATCAGGTGSCACCAAGTTTCTTTGTGATCC 2220
Db 1828 ----- 1827
QY 2221 CAGGCGCTGCCACCCCTTGAGCGAGGCACACAGTAGCTCGAGGCGCACAGCCTG 2280
Db 1828 AGGCGCTGCCACCCCTTGAGCGAGGCACACAGTAGCTCGAGGCGCACAGCCTG 1886
QY 2281 TCCCTGTGGGCTATGCTTTCTCCGAGCTCCACAGCTACACCATGCGAGGAATTCGCC 2340
Db 1887 TCCCTGTGGGCTATGCTTTCTCCGAGCTCCACAGCTACACCATGCGAGGAATTCGCC 1946
QY 2341 CGGGGTTACTTCCGAGGTCGCCAGGCTTGTGGGCGAGCTGATGGAGGTGCGCGAGGA 2400
Db 1947 CGGGGTTACTTCCGAGGTCGCCAGGCTTGTGGGCGAGCTGATGGAGGTGCGCGAGGA 2006
QY 2401 AAGGACACGGACAGCTGGTGCAGTACACCAAGGCTCCCATCGAGAGTGCCTCCTCAGC 2460
Db 2007 AAGGACACGGACAGCTGGTGCAGTACACCAAGGCTCCCATCGAGAGTGCCTCCTCAGC 2066
QY 2461 CTCAGTGATGATGAGCAAGCTGGCTGTACCGAGCTTCTGGGCGCTGATGGGTTTAT 2520
Db 2067 CTCAGTGATGATGAGCAAGCTGGCTGTAGCCAGCTTCTGGGCGCTGATGGGTTTAT 2125
QY 2521 GGGTGACAGTCCCAAGGCCCCGGGCAAGGATGAGATGATGCTCTATGAACCTGCTGAA 2580
Db 2126 GGGTGACAGTCCCAAGGCCCCGGGCAAGGATGAGATGATGCTCTATGAACCTGCTGAA 2185
QY 2581 GCTGTGCCAGCAGAGAGCTGAGGGATGAGATTACTGCGAGCTTATCAAGCAGGTAC 2640
Db 2186 GCTGTGCCAGCAGAGAGCTGAGGGATGAGATTACTGCGAGCTTATCAAGCAGGTAC 2245
QY 2641 AGGACACCCCGGCGGAACACTGACCTCAGGCTGGAGCTTCTCAGCCTTCTCAGAGG 2700
Db 2246 AGGACACCCCGGCGGAACACTGACCTCAGGCTGGAGCTTCTCAGCCTTCTCAGAGG 2305
QY 2701 CTTCTTCCCCCGCTGACACAGCTGATGCCCTACTGACCAAGTTTCTGCAAGGATTCAGG 2760
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QY 2761 CCCAGGCAAGAGTGGCCCGGAGCAGCAGGAGTCCAGCGCAGTCAAAATATGG 2820
Db 2366 CCCAGGCAAGAGTGGCCCGGAGCAGCAGGAGTCCAGCGCAGTCAAAATATGG 2425
QY 2821 GGGGCGCGGCGGATGCCCCACCGGGTGAATGAAGCTTCTGAAAGGACAAAGCGAT 2880
Db 2426 GGGGCGCGGCGGATGCCCCACCGGGTGAATGAAGCTTCTGAAAGGACAAAGCGAT 2485
QY 2881 TCGCCTGCTTTCTATTACCTGCGCGGGGTGTGGATTATAGGACGAATATCCAGACTTT 2940
Db 2486 TCGCCTGCTTTCTATTACCTGCGCGGGGTGTGGATTATAGGACGAATATCCAGACTTT 2545
QY 2941 CACAGTAGCAGGAAGTGCAGGAGAGCTGTGCGGCAATGGGTATCAGGAGCCTCA 3000
Db 2546 CACAGTAGCAGGAAGTGCAGGAGAGCTGTGCGGCAATGGGTATCAGGAGCCTCA 2605
QY 3001 GGAAGTGCAGGAATTCGCCCTTCTCTCATCAAGAGAGAGCAGCTGGTGGCGGCCCT 3060
Db 2606 GGAAGTGCAGGAATTCGCCCTTCTCTCATCAAGAGAGAGCAGCTGGTGGCGGCCCT 2665
QY 3061 GCAGCCCGCGAATACCTCAACAGCGTGTGTGACCAAGGAGTGCAGCTGCGACAGCG 3120
Db 2666 GCAGCCCGCGAATACCTCAACAGCGTGTGTGACCAAGGAGTGCAGCTGCGACAG-CG 2724
QY 3121 GCGGCTCCACTGGGAGACCCCACTGCACTTCGATAAATCCACCTCCACCTACATCAGCACCCCACTA 3180

RESULT 3

Db 2725 GGGCTTCCACTGGAGACCCCACTTGCATTTCAATCTCCACTTACATCAGCACCCCACTA 2784
QY 3181 CAGCCAGGTGCTGTGGGACTACTTTCAGGGAGGCTGCCAGTCAGCGCAAGGAGAGCGC 3240
Db 2785 CAGCCAGGTGCTGTGGGACTACTTTCAGGGAGGCTGCCAGTCAGCGCAAGGAGAGCGC 2844
QY 3241 GGAGTTCGCAGGCTGGCGGCTGAGCACCTCAGCAAGGCGCAACAGAAATACCCCTC 3300
Db 2845 GGAGTTCGCAGGCTGGCGGCTGAGCACCTCAGCAAGGCGCAACAGAAATACCCCTC 2904
QY 3301 AGGCGAGGACCTGCTAGCTTACGTGCCAAGCAGCTGCAACGCGAGGTGAACACAGGCTC 3360
Db 2905 AGGCGAGGACCTGCTAGCTTACGTGCCAAGCAGCTGCAACGCGAGGTGAACACAGGCTC 2964
QY 3361 CATCAAGAACCCTGATGGGTGAGAGCTGAGAGCGGTGGAGGACACAGCCCCCAGGAAGC 3420
Db 2965 CATCAAGAACCCTGATGGGTGAGAGCTGAGAGCGGTGGAGGACACAGCCCCCAGGAAGC 3024
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Db 3085 GGTGCTGCGAGTGAGCATGCGAGGCCCTGTCGAGCCCACTCTCTGGGCTCAACCGCCA 3144
QY 3541 GCATCTCATCCTCATCGAGCCCCAGCTCCAGAGCCCTGTACTGCCGATTTGCCCTGAAGAG 3600
Db 3145 GCATCTCATCCTCATCGAGCCCCAGCTCCAGAGCCCTGTACTGCCGATTTGCCCTGAAGAG 3204
QY 3601 CTTGCGAGGCTCCACTGCTTAAGCCCTCTGAGGAGAAAGGGGCCCCCTGGGCTGGAAGT 3660
Db 3205 CTTGCGAGGCTCCACTGCTTAAGCCCTCTGAGGAGAAAGGGGCCCCCTGGGCTGGAAGT 3264
QY 3661 CAACTATGCTCAGCTGACAAACCCAGACCACTCTGTTTGGCTGCCACAGCCCCAGGA 3720
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QY 3721 GCTGCTATACACCACCTGCTTCTCTGATAGACAGCAGTGGCTCTTGCATGAGTGGCCAG 3780
Db 3325 GCTGCTATACACCACCTGCTTCTCTGATAGACAGCAGTGGCTCTTGCATGAGTGGCCAG 3384
QY 3781 CATCAATGAGAGGATGCGAGCGCGGAGAGAGGATGAGGCTTCCCCCGGCCCAAG 3840
Db 3385 CATCAATGAGAGGATGCGAGCGCGGAGAGAGGATGAGGCTTCCCCCGGCCCAAG 3444
QY 3841 TCTCAGCCACATGCTCTGCTTGGATGCTATCAGATCACTGTTTCTAGAACCTTGCCTCAGC 3900
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QY 3961 GCAAGAAAAACAGCCAGACCTCTCCAGAGACCGCTCTGGGGCCAAAGGGGCTGCGAGAAC 4020
Db 3565 GCAAGAAAAACAGCCAGACCTCTCCAGAGACCGCTCTGGGGCCAAAGGGGCTGCGAGAAC 3624
QY 4021 TCGGCTGGGGCAGCTCAGGTTGCCAGTCTGAGGGAGATGCCCAACCCAGCCCGAGGCTCC 4080
Db 3625 TCGGCTGGGGCAGCTCAGGTTGCCAGTCTGAGGGAGATGCCCAACCCAGCCCGAGGCTCC 3684
QY 4081 GCCCAGCGCCCACTTAGCACAAAGCCAGCATGGGAGAAAACAGCTGCTGAGGAAATAAA 4140
Db 3685 GCCCAGCGCCCACTTAGCACAAAGCCAGCATGGGAGAAAACAGCTGCTGAGGAAATAAA 3744
QY 4141 ACTCCCTAAAAAATAAAAAAAAAAAAAAAAAAAAAA 4174
Db 3745 ACTCCCTAAAAAATAAAAAAAAAAAAAAAAAAAAAA 3778

-09-822-849A-265	Db	600	GAGCACCTCCAGCGCACAGTCAAAATATGGGGGGCGCGCGGATGCCCCACCAGCGGTAA	659
Sequence 265, Application US/09822849A	QY	2852	ATGAAGGCTTTCTGAAAGGACAAAGCGATTGCGCTTCTTATTTACCTCGCGGGGGT	2911
Patent No. US20020045170A1	Db	660	ATGAAGGCTTTCTGAAAGGACAAAGCGATTGCGCTTCTTATTTACCTCGCGGGGGT	719
GENERAL INFORMATION:	QY	2912	GTGGATTATAGACGAAATATCCAGACTTTCACAGTAGCAGAGAGTGCAGAGGAGCTG	2971
APPLICANT: Wong, Gordon G.	Db	720	GTGGATTATAGACGAAATATCCAGACTTTCACAGTAGCAGAGAGTGCAGAGGAGCTG	779
APPLICANT: Clark, Hilary	QY	2972	TGCGCGAAATGGGTATCAGGAGGCTTCAGAGAGTGCAGAGTGCAGAGTGCAGAGTGC	3031
APPLICANT: Fectel, Kim	Db	780	TGCGCGAAATGGGTATCAGGAGGCTTCAGAGAGTGCAGAGTGCAGAGTGCAGAGTGC	839
APPLICANT: Agostino, Michael J.	QY	3032	AAAGAGAAGAGCAGCTGGTGGCGGCTTCAGAGGCGCGGAGTACCTCAACAGAGCTGTA	3091
APPLICANT: Agostino, Michael J.	Db	840	AAAGAGAAGAGCAGCTGGTGGCGGCTTCAGAGGCGCGGAGTACCTCAACAGAGCTGTA	899
APPLICANT: Reenick, Richard J.	QY	3092	GTGGACAGGAGCTGAGGCTGCAGAGGCTTCAGAGGCTTCAGAGGCTTCAGAGGCTTC	3151
APPLICANT: Gulukota, Kamalakara	Db	900	GTGGACAGGAGCTGAGGCTGCAGAGGCTTCAGAGGCTTCAGAGGCTTCAGAGGCTTC	959
APPLICANT: Graham, James R.	QY	3152	GATACTCCAGCTACATCAGACACCTACAGGAGGCTGCAGAGGCTGCAGAGGCTGC	3211
APPLICANT: Genetics Institute, Inc.	Db	960	GATACTCCAGCTACATCAGACACCTACAGGAGGCTGCAGAGGCTGCAGAGGCTGC	1019
TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS	QY	3212	AAAGTSCCAGTTCAGGCGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	3271
FILE REFERENCE: GIN 6403	Db	1020	AAAGTSCCAGTTCAGGCGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	1079
CURRENT APPLICATION NUMBER: US/09/822,849A	QY	3272	CTCAGCAGGCGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	3331
CURRENT FILING DATE: 2001-09-04	Db	1080	CTCAGCAGGCGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	1139
PRIOR APPLICATION NUMBER: 60/195,582	QY	3332	CAGCTGCAACAGGCGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	3391
PRIOR FILING DATE: 2000-04-06	Db	1140	CAGCTGCAACAGGCGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	1199
NUMBER OF SEQ ID NOS: 598	QY	3392	CGGCTGGAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	3451
SOFTWARE: PatentIn Ver. 2.0	Db	1200	CGGCTGGAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	1259
SEQ ID NO 265	QY	3452	CTGCGCTCTTCGGCTAGACCGCTATGGGTATGGGTATGGGTATGGGTATGGGTATGG	3511
LENGTH: 1960	Db	1260	CTGCGCTCTTCGGCTAGACCGCTATGGGTATGGGTATGGGTATGGGTATGGGTATGG	1319
TYPE: DNA	QY	3512	GGACCCACTCTCTGGGCTCAACCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	3571
ORGANISM: Homo sapiens	Db	1320	GGACCCACTCTCTGGGCTCAACCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	1379
-09-822-849A-265	QY	3572	AGCTGTACTGCGGATTCGGCTGAGAGGCTTCAGAGGCTTCAGAGGCTTCAGAGGCTTC	3631
Query Match 46.1%; Score 1923.4; DB 9; Length 1960;	Db	1380	AGCTGTACTGCGGATTCGGCTGAGAGGCTTCAGAGGCTTCAGAGGCTTCAGAGGCTTC	1439
Best Local Similarity 99.8%; Pred. No. 0;	QY	3632	GAGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	3691
Matches 1946; Conservative 0; Mismatches 1; Indels 2; Gaps 2;	Db	1440	GAGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	1499
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1 CTCAGTGCGACAGGTTCTTGTGATCCAGGCGCTTCAGGAGGCTTCAGGAGGCTTCG	Db	1500	ATCTGGTTTGAAGTCCAGAGGCTTCAGGAGGCTTCAGGAGGCTTCAGGAGGCTTC	3811
2252 ACAGTGAGGACTCGGAGGCGCACAGGCTGCTCTGTGGGCTATGCTTCTGCGCGGACT	QY	3752	AGCAGTGCTCTTGTGACTGAGTGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	3871
61 ACAGTGAGGACTCGGAGGCGCACAGGCTGCTCTGTGGGCTATGCTTCTGCGCGGACT	Db	1560	AGCAGTGCTCTTGTGACTGAGTGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	1619
2312 CCCACAGCTACACCATGAGGAAATTCGCGCGGCTTACTTCGGAGGCTTCAGGCGCTTC	QY	3812	GAAGAGGATGAGGCTTCGCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	1679
121 CCCACAGCTACACCATGAGGAAATTCGCGCGGCTTACTTCGGAGGCTTCAGGCGCTTC	Db	1620	GAAGAGGATGAGGCTTCGCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	1739
2372 TGGGCGAGGACTGAGGAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	QY	3872	CAGATCAGTGTCTTGAAGACTTCGCTCAGCAGACGCGCGGAGGAGGAGGAGGAGGAG	1799
18: TGGGCGAGGACTGAGGAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	Db	1680	CAGATCAGTGTCTTGAAGACTTCGCTCAGCAGACGCGCGGAGGAGGAGGAGGAGGAG	1859
2432 AGGCTCCCATCCAGGAGTGGCTCTCAGCTCAGTGTGATGATGATGATGATGATGATGAT	QY	3921	GAAGAGGATGAGGCTTCGCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	1981
241 AGGCTCCCATCCAGGAGTGGCTCTCAGCTCAGTGTGATGATGATGATGATGATGATGAT	Db	1700	GAAGAGGATGAGGCTTCGCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	2041
2492 CCAGCTTCTGCGGCTGATGCGGTTTATGGGTACAGTCCAGAGGCTTCAGAGGCTTC	QY	3981	TACCTGACCAAGTTCGCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	2101
301 CCAGCTTCTGCGGCTGATGCGGTTTATGGGTACAGTCCAGAGGCTTCAGAGGCTTC	Db	1760	TACCTGACCAAGTTCGCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	2161
2552 GAGATGGATGCTCTATGAAGTCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGG	QY	4041	GAGCAGCTCCAGCGACAGTCAAAATATGGGGGGCGCGCGGAGTGCAGGAGTGCAGG	2221
360 GAGATGGATGCTCTATGAAGTCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGG	Db	1800	GAGCAGCTCCAGCGACAGTCAAAATATGGGGGGCGCGCGGAGTGCAGGAGTGCAGG	2281
2612 ATTTACTGCGAGGTTTCAAGCAGGCTCAGAGGACACACCGCGCGGAGGAGGAGGAGG	QY	4101	GAGCAGCTCCAGCGACAGTCAAAATATGGGGGGCGCGCGGAGTGCAGGAGTGCAGG	2341
420 ATTTACTGCGAGGTTTCAAGCAGGCTCAGAGGACACACCGCGCGGAGGAGGAGGAGG	Db	1860	GAGCAGCTCCAGCGACAGTCAAAATATGGGGGGCGCGCGGAGTGCAGGAGTGCAGG	2401
2672 GGTGAGGCTTCTCAGGCTTCTCAGGCTTCTTCCCGCGTTCAGCAGGCTGATGCC	QY	4161	GAGCAGCTCCAGCGACAGTCAAAATATGGGGGGCGCGCGGAGTGCAGGAGTGCAGG	2461
480 GGTGAGGCTTCTCAGGCTTCTCAGGCTTCTTCCCGCGTTCAGCAGGCTGATGCC	Db	1920	GAGCAGCTCCAGCGACAGTCAAAATATGGGGGGCGCGCGGAGTGCAGGAGTGCAGG	2521
2732 TACCTGACCAAGTTCGCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	QY	4221	GAGCAGCTCCAGCGACAGTCAAAATATGGGGGGCGCGCGGAGTGCAGGAGTGCAGG	2581
540 TACCTGACCAAGTTCGCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	Db	1980	GAGCAGCTCCAGCGACAGTCAAAATATGGGGGGCGCGCGGAGTGCAGGAGTGCAGG	2641
2792 GAGCAGCTCCAGCGACAGTCAAAATATGGGGGGCGCGCGGAGTGCAGGAGTGCAGG	QY	4281	GAGCAGCTCCAGCGACAGTCAAAATATGGGGGGCGCGCGGAGTGCAGGAGTGCAGG	2701
	Db	2040	GAGCAGCTCCAGCGACAGTCAAAATATGGGGGGCGCGCGGAGTGCAGGAGTGCAGG	2761

Cy 3932 GGCAGGGGCTGCTATCAGCTCACCAGCAGGCGAAAGAAAACAGCAGACCCCTCTCCAGGAC 3991
Db 1740 GGCAGGGGCTGCTATCAGCTCACCAGCAGGCGAAAGAAAACAGCAGACCCCTCTCCAGGAC 1799
Cy 3992 GGCCTGGGGCCAAAGCGGCTGCAGGAAGCTCGGTGGGGCAGCTGAGGTTGCCAGTCTG 4051
Db 1800 GGCCTGGGGCCAAAGCGGCTGCAGGAAGCTCGGTGGGGCAGCTGAGGTTGCCAGTCTG 1859
Cy 4052 AGGAGATGCCACCCAGCCAGGCTCGGCCAGGCCCCACATTTAGCACAAGCCGAGGC 4111
Db 1860 AGGAGATGCCACCCAGCCAGGCTCGGCCAGGCCCCACATTTAGCACAAGCCGAGGC 1919
Cy 4112 ATGGAGAAACAGCTGCTGAGGAATAAA 4140
Db 1920 AT-GGAGAAACAGCTGCTGAGGAATAAA 1947

RESULT 4
US-09-803-126-2
; Sequence 2, Application US/09803126
; Patent No. US2002099190A1
; GENERAL INFORMATION:
; APPLICANT: Deng, Gary G.
; APPLICANT: Rubanya, Gabor M.
; TITLE OF INVENTION: Estrogen-Regulated Unconventional Myosin-Related
; TITLE OF INVENTION: Protein: Compositions and Methods of Use
; FILE REFERENCE: 015303-00310US
; CURRENT APPLICATION NUMBER: US/09/803.126
; CURRENT FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: US 60/198,488
; PRIOR FILING DATE: 2000-03-10
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO. 2
; LENGTH: 6293
; TYPE: DNA
; ORGANISM: Mus sp.
; FEATURE:
; OTHER INFORMATION: Mouse myosin related protein (MRP; variant 1 cDNA
US-09-803-126-2

Query Match 42.8%; Score 1787.6; DB 9; Length 6293;
Best Local Similarity 70.3%; Pred. No. 0;
Matches 2685; Conservative 0; Mismatches 969; Indels 166; Gaps 15;

Cy 4 CAGCAGGAGGCTCGGGCTCCGAGGCTGCTCCAGGCTCAGCCCTCAGCGTCACTCC 63
Db 2297 CAGCAGGAGGCTCAGACCTCTGGGGCCACCTCCAGGCTCAGCCCTCAGCCCTCAGCGTCACTCC 2356
Cy 64 AAGCCCAAGAGCCGCCACACCCCGGAGAGCCACAGCTGACCTGGGATCAGAGGCT 123
Db 2357 AAGCCCAAGAGCCCTCTGCCCCCAAGAGAGCCAGAGAGTAACCTAGAGGCTTCGGGT 2416
Cy 124 GCTGCTCTAG---GGAGACTCCAGAGGCTGAAGCAGAGCCCTATCAGCCNAGAGC 180
Db 2417 GTTGGCTTTAGAGAGGACACCCCAAGAGAGTGAAGCAAGCTCAGCGCCCAAGAGC 2476
Cy 181 TTCCAGCAGAAAGGAACTATTTCAGAGGATGGGGCAGCCACAGATCACAGTGAAGAGC 240
Db 2477 TTCCAGCAGAAAGGAACTATTTCAGAGGATGGGGCAGAGATCCGATCAGATGAAGAGC 2536
Cy 241 ATGAAGCCCGCCCAAGGTTCCACATCCCCCAGGGGGAAGCCAGAGAGGAGGAG 300
Db 2537 GTGAACCTCCAGCAAGGTCAGATCCCCCAAGAGAGATGGAGAGCAGGAGGAG 2596
Cy 301 GAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 360
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Cy 361 CTTCTCCCCCATCGTGAAGAGGCTTGAAGCAGGTTGGGGCCAAAGCTCCAAAGAG 420

Db 2630 CCCCCTCCCCGGTTGTGAAGAGCCGCTGAAGGCAAGCAGGCCCAAGCCGTAAGAGAA 2689
Cy 421 GCTGAGGCTGAGCCAGCCCAAGGAG-----AC 446
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Cy 447 AGCGGCCAAGGGCCATGGCCCAAGGCGACGCCCAAGCAGGCGGAGCTGTGGTGGCAGTCA 506
Db 2750 AGTCTCAATCTCCGACCTCAGCACCCCAACCCAGCAGGAGTACCCCGAGTGAGAGCTCC 2809
Cy 507 GACTTCAAGCCCAAGGGGCGCACAAACCCAGCAGGAGAAATTGGCAACATCATCTCCGATGTAC 566
Db 2810 AACTCCGCACCTCCACGCCCGCAACCCAGCAGGAGAAATCCGAAACATCATCTCCGAATGTAC 2869
Cy 567 CAGAGCCCGCGGCGCCGCTGCTGCTGGCTGCGGTGCGAGCATCCAGGCTCCCAAGCTTTC 626
Db 2870 CAGAGCGCTCCAGGGCTGTGGCTGTGCCGTACAAACCCACAGGCGCCATCAAACTTT 2929
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Db 2930 CAGAAGAAATACCCCTAAGGATGAGGCTTTGGCTAAGTTAGGATTAATGGCGTCCAC 2989
Cy 687 TCGTCCCGCGCGATGCTCTCCCGCAGCCAGGAAAGGGCCCCCGCAGCTGTGGTCTCT 746
Db 2990 TTGCCCTATCGA---CATCGCTAACCAAGGAGAGCTCTCCACCGGCTGTAGTCTCT 3046
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Db 3167 CCACAGCACTCCCCACCGCTCTGTCTGGGAGGCCCAAGACCCCTTCAGTGGAGTCTCAT 3226
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Db 3287 AGTGTGTCTTCTCTATGCAATGACCTTGAAGTTGTTCTTACCAAGGAGGTGTT 3346
Cy 1038 TACCCACGGGAGAACTTACGCCATCCCTACTACTAGAGGCTCTCTGTGAGCAGATCCTA 1097
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Cy 1338 CGACTGTCAAGGTGACCCCAAGGCCCGGCTCGCGCCCGCAGCAGCTGAAGATTTCTCTGC 1397
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Cy 1398 TCATACAGCTTTGGGAGGTGCTGGGTGTGGAGTGGCGGGCGGCTCCACCTCGAGAGCTG 1457
Db 3707 TCCTACAGCTATGCTGAAGTCTTGACCGTGCAGCGGCGAGATCCACCTCGAGCTG 3766

1458 TCACCTGAAGAGCGAGCAGCTGGTGTGACACAGCCCGGCAAGGCCATCAGAGCCGCTG 1517
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3767 TCCTTGAAGATGAGCAGCTGATACTGCACACAGCCTGGCGAGGGCCATCAAGGCCATG 3826
1518 GTTAGCTATTCTCTGAATGAGCTTAAAGAGAGACTCCGGCTATGTCATGCCCTCGGCAGC 1577
3827 GTGGATCTATTCTCAGTGAATCAGGAAGAGACTCCGGCTATGTCATGCCCTCGGCAGC 3886
1578 TACATCACTGACAACTGCAGCCTCTCAGCTTCCACCGTGGGACCTCATCAAGCTGCTG 1637
3887 TACATCACCGATGACAAATAGCTCTCTCAATTTCCACCGTGGGACCTCATTAGGTACTG 3946
1638 CCGGTGGCCACCTCTGGAGCCAGGCTGGCAGTTTGGCTCTGCCGGGGCCGTTCCGGACTC 1697
3947 CCAGTGACCGCTCTGGAAACAGGCTGGCAGTTTGGCTCTGCCGGGGCCGCTCCGGACTC 4006
1698 TTTCCTGCGCATAGTCAGCGGCTGGCGCTCCGACTTTTCTTCTCCAAGAGCAG 1757
4007 TTTCCTGATGAGTGGTGACGAGCTGCTGCCCGCCGACCTCTCTCTTCTCCGGAAG 4066
1758 AGGAGTGGCTGCGACAAAGGCTGAGCTGTCCAAACGGGGAACAGAGGCTGGCTCGTGGGAC 1817
4067 AGAAACAGCTGGCA-----ACGCAAGAGTAAAGCTGGG 4099
1818 AGGGCTCAGAGGTGAGGAAGATGGGAGAGGACACAGCAGAGGCCAGGCTGCTGTGAC 1877
4100 CCAGCTCAGGAGGTGAGGAAGACAGAGAGGTGAAGTGATA---CAGGCCTAACCTGGAG 4156
1878 TGAGGAAGCAAGGGGTTTGACCACTCCCGAGGCTGCCATCGGTGGGACCACTGCTG 1937
4157 ACTGAGAAGGAAGAGCAGGTTGCTTCGGGTGTTGTCACATTCCTGTCTGTGGGCAG 4216
1938 TCCGTCTCCTGTGGCTGCCCTCTGCCGCTCTGTAGTGGCTGGCTGTCTCTCCAGCAA 1997
4217 GGCTCAATGTGTTCTGT-TCCTTTACCATCTCCTGACTTTTGGCCATTTGTGAGACTGTA 4275
1998 GACTGTGCACTCTTGCAGGACAGGGGCTGGGCTGGATGCTGCTCTGTGTGCCAGTGCT 2057
4276 AGTCACACCCCTC-----TAACTCTGGT 4297
2058 ACTTAGTTCAAGGCTGCCAGCAGATGCTTAATAAAGAGCTCTTCACTTCTCTGGCTTC 2117
4298 ACTTAGTTCAAGTCTCCATAGAGATGCTTAATAAATAC-CTTGGTTTCTCTGGTTTC 4356
2118 TGGTCTGCTCTCTTGGTGTCTGGCTGGGAGGG-----ATGGGCTGGGCGAGGA 2168
4357 TGGTGTCACTCTCTTGGGTCTAATGGGTATGGGACCCAGGGCCCTGACAGTGAGTATTGG 4416
2169 CCCCTGGGACAGGCACTGGACACTCAGGTGGCAGCAGGTTTCTGTGATCCGAGCGCC 2228
4417 GCCTCTGGGCTAGATGGTGGGTACTTGGGGTGGTACCAAAATTTCTGTGCTCCAGCGCCC 4476
2229 TGCCCAACCCCTTGAGGCGCAGGCACAGTGACACTCGGAGGCCACCCAGCCTGTCTCTGT 2288
4477 CACCCATCCAGGAACAAGAACCCAGTGAAGACTCGGAGGCCACTCTTTTACAACTTA 4536
2289 GGCCTATGCTCTTCTGGCCGACTCCCAAGCTACACATGAGGAATTTGGCCGGCGTTA 2348
4537 CAGCT---CTTTGTCTGGCCAGCCCCCAAACTACACCATTCAGGAATTTGGCCCTCGCTA 4593
2349 CTTCCGGAGTCCAGGCTTCTGGCCAGACTGATGGAGTGGCCGAGGAAGGACAC 2408
4594 TTTCCGGAAGCTCTATCTGCTGACCCAGATGATGAGACACCCAAAGAGAAGTGGC 4653
2409 GGACAGCTGGTGCAGTACACCAAGGCTCCCATCCAGGAGTGGCTCTCAGCCTCAGTGA 2468
4654 CATCAACCTGATCCAGTACACTAAGACCCCATCAGGATCCCTTACAGCTTCTGCAA 4713
2469 TGATGTGACAAAGCTGGCTGTAGC---CAGCTTCTGGCCCTGATGCGGTTTATGGGTGA 2526
4714 TGGGACACAAACAGTAAAGCTGTGGCTGCTTCAAGGCTCTGTATGCAAGTTTATGGGGGA 4773

2527 CCAGTCCAAAGCCCCCGGGCAAGGATGAGATGGATCTGTCTTATGAACCTGTGAAAGCTGTG 2586
4774 CCAGCTTAAAGCCCCCGGGCAAGGACGAGCTGAGTCTGTCTTATGAGCTGCTGAAAGCTGTG 4833
2587 CCAGCAGGAGAGAGCTGAGGATGAGATTACTGCCAGGTTATCAAGCAGGTCACAGGACA 2646
4834 C---CAAGATGACCTTAGGGACGAGATGTACTGCCAGGTTCATCAAGCAAGTCACAGSACA 4890
2647 CCCCCCGCGGAACACTGCACCTCGAGGCTGGAGCTTCCTCAGCCTTCTCAGAGGCTTCTT 2706
4891 CCCCCAGCAAAAGCACTGTCTCTGGGCTGGAGCTGCTCAGCCTCTTCACAGGCTTCTT 4950
2707 CCCCCGCTCGACAGGCTGATGCCCTACTCTAGCAAGATTTCTGAGGATTCAGGCCCCAG 2766
4951 TGCACATCGACACAGCTGATGCCCTATGTGACCAAGTTCTCTGAGGATTCAGGCCCCAG 5010
2767 CCAAGAGCTGGCCCGGAGCAGCAGGAGCCTCCAGCGCAGTCAAATATGGGGGGG 2826
5011 TGAAGATTTGGCCAGGAGGAGCAGAGAACTCCAGCGCAGTTAAATATGGGGAGG 5070
2827 CCGCGGATGCCCCACCGGCTGAAATGAAGGCTTTCTCTGAAGGACAAAGCATTCGCT 2886
5071 CCAGCAGCTGCCGTTACTGTGTAATGAATGCTTTCTGAAAGGGCAAGCATTCGTT 5130
2887 GCTTCTATTACCTGCCCGGGGTGTGGATTATAGGAGCAATATCCAGACTTTCACAGT 2946
5131 GCTTCTAATTCAGCTGCCGCGGCTGTGACTACAGGACGAATTCACAGCATTCACAGT 5190
2947 AGCAGCAGAAAGTSCAGGAGGAGCTGTGCCGCAATGGGTATCAGGAGCCTCAGAAAT 3006
5191 GGCAGGGAAGTGTCTAGAGAGCTGTGTGACAGATGGGCATCAGACTTGGAAAGAT 5250
3007 GCAGGAATTTGGGCTCTTCTCATCAAGGAGAGCTGAGTGGTGGCGCCCTCAGGCC 3066
5251 GCAGGAATTTGGGCTCTTCTCATCAAGGAGAGCTGAGTGGTGGCGCCCTGTGACC 5310
3067 CCGCGAATCCTCAACAGCGTGGTAGTGCACAGGAGCTGAGCCTGCACAGCGCGGCT 3126
5311 CCATGATCATCAACAAATSTGGTAGCGGACAGGACATGAGCCTTCACAGCGCAGCT 5370
3127 CCACTGGGAGACCCCACTGCATCTCGATTAATCTCACCTACATCAGCACCCACTACAGCA 3186
5371 TGGTTGGGAGACTCCACTGCAATTTGATCCTCTCACCTACACGGAACCCACTATGGCA 5430
3187 GGTGCTGTGGAGTACTTCAAGGGAAGCTGGCAGTCAAGGCCAAAGGACAGCGAGCT 3246
5431 GGTGCTTCGGGACTACTGCAAGGGAAGCTGATAGTCAGCACCCAGGCGAGGCTTACT 5490
3247 CGCCAGGCTGGCGCCCTCGAGCAGCTCAGCAAGGCC---AACAGGAATACCCCTCAGG 3303
5491 TGCCAGCTTGGCTGCTTCCAACTTCGACAAACCGGAATCTTAGTCTCTCCATCAGA 5550
3304 GCAGGACCTGTAGCTTACGTGCCAAAGCAGCTGCAACGGCAGGTGAACACCGGCTTCCAT 3363
5551 GCAAGAGCTGTGTCTTAATTCCCAAGCCACTGCAATGCGAGGTGAACACAGCAACAT 5610
3364 CAAGAACCTGATGGGTGAGAGCTGAGCGGTGAGAGACACAGCCCCAGGAAAGCACA 3423
5611 AAAGAGCTTGGTGAACCCAGGAGCTGAGGAGATGCAAGGGTACAGCAAGCAGAGAGACA 5670
3424 GATCAGCTTCATTGAGGCCATGAGCCAGCTGCCCTCTTCGGCTACACCGTCTATGGGT 3483
5671 GATTGGCTTTATAGAGAGCAGCGGAGCTGCCCTCTTTGGCTACACTGTGTACTAGT 5730
3484 GCTSCGAGTGAAGCATGAGCGCTGTGCCGACCCACTCTCTCTGGGCTCAACCGGCAGCA 3543
5731 GCTGAGAGTGAATGAGCTGGCCCTCCCTGAGCAGGCCCTCTGGGCTCAACCGTCAGCA 5790
3544 TCTCATCTCAAGAGCCCGAGCTCCAGAGCTGTACTGCCGCAATTCGCTTGAAGAGCT 3603
5791 CTTGGTCTCATGAGACCCAGCTCTCAGGAATCTGCTGCTCATGCTCAAGAGCT 5850
3604 GCAGCGGCTCCACCTGCTAAGCCCTCTGGAGGAGAGGGGCCCCCTGGCCTCGAAGTCAA 3663

5851 GAAGCAGTCCACCTGCTGAGCCACTGCAGAGAGCGGCCCTGGCCCTAGAACTCAA 5910
3664 CTATGGCTCAGCTGACAAACCCCGAGACATCTGTTTTCAGCTGCGACAGGCCCGAGGAGCT 3723
5911 CTATGGCTCTGTTGACAAACCCCGAGACATCTGTTTTCAGCTGCGACAGGCCCGAGGAGCT 5970
3724 GCTATACACCACTGCTTCTCTGATAGACAGAGTGCCTCT 3763
5971 GCAGCACCACTCATCTCTCTGCTGGGAGCATGTCCACT 6010

RESULT 5
US-09-764-868-145
; Sequence 145, Application US/99764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P232
; CURRENT APPLICATION NUMBER: US/09/764,868
; PRIOR APPLICATION DATA REMOVED - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 145
; LENGTH: 1247
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-868-145

Query Match 29.5%; Score 1232.2; DB 10; Length 1247;
Best Local Similarity 99.5%; Pred. No. 6.9e-297;
Matches 1231; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 872 ACTGCTCTGCCGAGGAGCCAGGACCTTTACAGAGAGGTCTGTTGACACAGCC 931
DB : ACTGCTCTGCCGAGGAGCCAGGACCTTTACAGAGAGGTCTGTTGACACAGCC 60

QY 932 TGTGAGGAGCAGGGGGTCTCCACCCAGCTACTCGCGCCCTCTGCGAGCTGTGCTTC 991
DB 61 CGTGAGGAGCAGGGGGTCTCCACCCAGCTACTCGCGCCCTCTGCGAGCTGTGCTTC 120

QY 992 CTACACCGGACCGCTCGAAGTCTTCTAGCGAAGGAGGTGTTCTACCCACGGAGAA 1051
DB 121 CTACACCGGACCGCTCGAAGTCTTCTAGCGAAGGAGGTGTTCTACCCACGGAGAA 180

QY 1032 CTTCAGGCATCCCTACTACTCAGGCTCTCTGTGAGCAGATCTCTACGGGACACCTCTC 1111
DB 181 CTTCAGGCATCCCTACTACTCAGGCTCTCTGTGAGCAGATCTCTACGGGACACCTCTC 240

QY 1112 CGAGTCTCTGTATCCGGATTCTCCAGATGAGCGCGGAGAAATGAAAGACCTCTGCGGAGG 1171
DB 241 CGAGTCTCTGTATCCGGATTCTCCAGATGAGCGCGGAGAAATGAAAGACCTCTGCGGAGG 300

QY 1172 CTTCAGGCTGACCTGGATCTCTACACACCGACGAGACAGCTGCAAGACGATCGT 1231
DB 301 CTTCAGGCTGACCTGGATCTCTACACACCGACGAGACAGCTGCAAGACGATCGT 360

QY 1232 GGTGCGCTCGGGACACTGGGCAATTTACTCTCCGCTCTCTCTCTCTCTCTCTCTCTCT 1291
DB 361 GGTGCGCTCGGGACACTGGGCAATTTACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 420

QY 1292 GAGTGGCAGCGAGCTGACAGTGTAGCCGTGTCCACCGTGGGCTGCGACCTGCTCAAGGT 1351
DB 421 GAGTGGCAGCGAGCTGACAGTGTAGCCGTGTCCACCGTGGGCTGCGACCTGCTCAAGGT 480

QY 1352 GACCCAAAGCCCGGCTCCGCGCCGACAGCTGAGATTTCTGCTCATACAGCTTTGC 1411
DB 481 GACCCAAAGCCCGGCTCCGCGCCGACAGCTGAGATTTCTGCTCATACAGCTTTGC 540

QY 1412 GGAGGCTGTGGGTGTGGAGTCCGGGGCGGCTCCACCTGGAGCTGTCTACGAGAGCA 1471

DB 541 GGAGGTGCTGGGTGTGGAATGCCGGGGCGCTCCACCTGGAGCTGTCTACTGAAGCGCA 600
QY 1472 GCAGCTGCTGCTGCACACAGCCCGGGCAAGGGCATCGAGGCGCTGGTTGAGCTATTCT 1531
DB 601 GCAGCTGCTGCTGCACACAGCCCGGGCAAGGGCATCGAGGCGCTGGTTGAGCTATTCT 660

QY 1532 GAATGAGCTTAAAGAGACTCCGGCTATGTCATCGCCCTGCGCAGCTACATCACTACACAA 1591
DB 661 GAAGGAGCTTAAAGAGACTCCGGCTATGTCATCGCCCTGCGCAGCTACATCACTACACAA 720

QY 1592 CTGCAGCTCTCTCAGCTTCCACCGTGGGACCTCATCAAGCTGCTGCGGCTGGCCACCT 1651
DB 721 CTGCAGCTCTCTCAGCTTCCACCGTGGGACCTCATCAAGCTGCTGCGGCTGGCCACCT 780

QY 1652 GGAGCCAGGCTGGAGTTCCTGCTCTGCGCGGGCGGCTTCGGAATCTTTCTCTCCGACAT 1711
DB 781 GGAGCCAGGCTGGAGTTCCTGCTCTGCGCGGGCGGCTTCGGAATCTTTCTCTCCGACAT 840

QY 1712 AGTGAGCCGGCTGCGCTCCGACCTTTCTCTCAAGGAGCAGAGGAGTGGCTGGCA 1771
DB 841 AGTGAGCCGGCTGCGCTCCGACCTTTCTCTCAAGGAGCAGAGGAGTGGCTGGCA 900

QY 1772 CAAGGGTCAGCTGTCCAAACGGGAAACAGGGCTGGCTCGGTGGGACAGGGCTCAGAGGT 1831
DB 901 CAAGGGTCAGCTGTCCAAACGGGAAACAGGGCTGGCTCGGTGGGACAGGGCTCAGAGGT 960

QY 1832 GAGGAGATGGAGAGGAGCAAGCAGAGGAGCGCTGCTGAGACTGAGGAGGAGGAGG 1891
DB 961 GAGGAGATGGAGAGGAGCAAGCAGAGGAGCGCTGCTGAGACTGAGGAGGAGGAGG 1020

QY 1892 GGTTCAGCCTCCGAGGCTGCATGCGGTGGGACACCCCTGCTGTCCTCTCTCTCTCTCT 1951
DB 1021 GGTTCAGCCTCCGAGGCTGCATGCGGTGGGACACCCCTGCTGTCCTCTCTCTCTCTCT 1080

QY 1952 CTGCCCCCTCTGCGGCTCTCTGAGTGGCTGGCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2011
DB 1081 CTGCCCCCTCTGCGGCTCTCTGAGTGGCTGGCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1140

QY 2012 TGAGGAGGAGGCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2071
DB 1141 TGAGGAGGAGGCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200

QY 2072 TGCCCCAGAGAGTCTTAATAACAGCTCTTCACTTT 2108
DB 1201 TGCCCCAGAGAGTCTTAATAACAGCTCTTCACTTT 1237

RESULT 6
US-09-803-126-3
; Sequence 3, Application US/09803126
; Patent No. US20020099190A1
; GENERAL INFORMATION:
; APPLICANT: Brooks, Alan R.
; APPLICANT: Deng, Gary G.
; APPLICANT: Rubanyi, Gabor M.
; TITLE OF INVENTION: Estrogen-Regulated Unconventional Myosin-Related
; FILE REFERENCE: 015303-000310US
; CURRENT APPLICATION NUMBER: US/09/803,126
; CURRENT FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: US 60/188,488
; PRIOR FILING DATE: 2000-03-10
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 4375
; TYPE: DNA
; ORGANISM: Mus sp.
; FEATURE:
; OTHER INFORMATION: Mouse myosin related protein (MRP) variant 2 cDNA
US-09-803-126-3

Query Match 22.7%; Score 946.4; DB 9; Length 4375;

Best Local Similarity 72.2%; Pred. No. 6,3e-218; Matches 1290; Conservative 0; Mismatches 475; Indels 22; Gaps 4;
4 CAGCAGAGGCTCGGGCTCCGGGCTCGGCTCCAGAGCCTCACCTCAGCGCTCACCTCC 63
2297 CAGCAGAGGCTCGAGCTCTGGGGCCACCTCCAGGCTCACCTCCAGCAGCTGCTCC 2356
64 AAGCCAGGAGCCCGCCACACCCCGGAGAGCCACAGCTGACCTGGATCAGAGGT 123
2357 AAGCCAGGAGCTCTCGCCCGCCAGAGAGCCAGAGAGTAACCTAGAGCTTCGGGT 2416
124 GGCTGCTGAG---GGAGACTCTCGAGAGGCTGAGAGGCGCTTACGCCAGAGC 180
2417 GTTGCTTGAGAGAGGACACCCAGAGAGAGCTGAAAGCAAGCTCAGCGCCCGCAAGC 2476
181 TTCAGAGAGAAACCGAACTATTTCCAGAGGATGGGAGCCACAGATCACAGTGAGGAGC 240
2477 TTCACAGAAAGCGGACTATTTCCAGAGATGGGCAAGATCCGATCAGATGAGAGC 2536
241 ATGAGGCCCCCGGCAAGGTCACATCCCCAGGGGGAAGCGCAGGAGGAGGAGGAG 300
2537 GTGAAACCTCAGGCAAGGTTTCAGATCCCCCAAGAGGAGATGAGGAGAGCGAGGAG 2596
301 GAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 359
2597 GAGGATGAGCGCGGAGTTGTCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2656
360 -----TCT 413
2657 CTGAGGCAAGCAGGCCCCAAGCGTAAAGGAAGATGAGCAGAGCGCGCCAGGAGAA 2716
414 AAAAGAGGCTGAGGCTGAGCGAGCAAGAGAGAGAGCGGCGCAAGGGCCATGCGCAAGGGCC 473
2717 GTACCGACCCAGGGGAGGATCCCGCGGTGACAGAGCTCAAGCTCCGACACCTCAGCACCCC 2776
474 AGCCAGGAGGAGGAGGAGTGTGTGCGCAGTCAGACTCCAGGCGCCAGCGCCAGCACCC 533
2777 AAACCCAGCAGGATACCCCGAGTGCAGAGCTCCAACTCCGACCTCCAGCGCCCGCAACC 2836
534 AGCAGGAAATTTGCAACATCATCCGATGTACAGAGCGCCCGCGCGCTCGTCTGTG 593
2837 AGCAGGAAATCCGAAACATCATCCGATGTACAGAGCGCTCCAGCGCGCTGTGCTGTG 2896
594 CCGCTGAGCCATCAGGCTCCCAAGCTTTCTGTAGGAAATTCGACCCCAAGAGCAG 653
2897 CCGGTACAAACCCAGCGCCCATCAAACTTTTCAGAGAGAAATGACCTTAAGGATGAG 2956
654 GCTCTGCGCAAGCTGGGTATCAACGGTGCACCTGTCCTCCCGCGATGCTGTCTCCCGCAGC 713
2957 GCTTTGGCTAAGTTAGGAGTAATGGGTGTCATTTGCCCTTATCGA---CATCGCTTAAC 3013
714 CCAGGAAAGGCGCCCGCCAGCTGTGCTCTCGACCCAGGCGCCCGCTACAGCTTGGG 773
3014 CAAGGAGAGGCTCTCCACCGGCTGTAGTTCTCGACCTAAGCTCGACCTCGTCTTGAG 3073
774 CCCTTAGCTCATCAAGGAAAGCAGGGGCGCTCTGTGACCTGTTTGGC----- 824
3074 CTTCCCTTATCCATCCAGGAAAGCAGGAGCGCCCTTCGGGACTTGTGTGGCCCATGTAGT 3133
825 CAGAAGCTCGCTATTGCGCCACACACCCCGCTCCAGCGCGCCAGCACTCGCTCTGCC 884
3134 CCAACCCACCTTACAGCTCCAGACCCCGCGCTCCAGCACTCCCGACCGCTCTGTCT 3193
885 GAGGAGCCAGGAGCCCTTTACGACAGAGCTGTGCTTTGACACAGCCCGTGGAGACCA 944
3194 GGGAGCCCAAGACCCCTTCAGTGGAGTCTCATGCTTTCAGAGAGCCCATGGAGACAAG 3253
945 GGGGTCTCCAGCAGTACTCGCGCCCTCTGGCAGCTGTGCTCTCTACACCGGACAG 1004
3254 AACATCTCCCAAGAGCTCTCTGTGCGCTCTGGAAGTGTGTGCTCTCTCTATGCAATGCA 3313
1005 CCCTGGAAGTCTCTTACGAGAGGAGTGTCTACCCAGCGGAGAACTTCAGGCACTCC 1064

Db 3314 CCTGGAAGTTGTTCTTACGCAAGAGAGGTGTTCTACCCCGGAGAACTTCAGTCATCCA 3373
QY 1065 TACTACCTGAGGCTCTCTGTGAGCAGATCCTCAGGACACCTTCTCGAGTCTCGTATC 1124
Db 3374 TACTGCTCAGTCTCTCTGCGAGCAGATCCTGCGGACACCTTTCACAGAGTCTCGACC 3433
QY 1125 CGATTTCCAGATGASGCGGGAATGAAAGACCTGCTGGGAGGCTTGGAGGTGGAC 1184
Db 3434 CGATTTCTCAGAGATGAGCGGCACAAAATGAAAGGCTTCTGGGAGACTTGGAGGTGAGT 3493
QY 1185 CTGGATTTCTCACCACCCAGCAACAGAGCGTCAAGAGCGCATCGTGGTGGCTCGCTCG 1244
Db 3494 CTGGAGACCTTGACATTTGTCAGAGACAGCATCAAAAACGATCGTGGTGGTCTCG 3553
QY 1245 GACAACTGGGCCAATTAATTTCTCCGCACTTCCAGTCTCGGCGAGAGTGGCAGCAGC 1304
Db 3554 GACAACTGGGCCAATTAATTTCTCCGCACTTCCAGTCTCGGCGAGAGTGGCAGCAG 3613
QY 1305 GTGAGCTGTTAGCGCTGTGCGCACCTGCGGCTGCGACTGCTCAAGGTGACCCAGGCCCC 1364
Db 3614 GTACAGCTGCTGGGTGTGCTCAGCGGAGCTGGGCTGCTGAAGGTGACCAAGGCTG 3673
QY 1365 GGCTCCGCGCCGACACCTGAAGATTCTCTGCTCATACAGCTTTGCGAGGTTGCTGGGT 1424
Db 3674 AGCTTCCAGCTCGACACCTGAGACACTCTGCTCTACAGCTATGCTGAAGTCTGACC 3733
QY 1425 GTGAGTGGCGGGGCTGCTACCTGCGAGCTGTCTCAAGAGAGGAGCAGCTGGTGTG 1484
Db 3734 GTGAGTGGCGGGGAGATCCACCTCGAGCTGTCTTGAAGATGAGCAGCTGATG 3793
QY 1485 CACACAGCCCGGGCAAGGCGCATCGAGGCGTGTGAGCTATTCCTGAATGAGCTTAAG 1544
Db 3794 CACACAGCTGGCGAGGCGCATCAAGGCGCTGTGGATCTATTTCTGAGTGAATTCAGG 3853
QY 1545 AAGGACTCGGGCTATGTCATCGCCCTGCGCAGCTACATCACTGACAACTCGAGCCTCTC 1604
Db 3854 AAGGACTCGGGCTATGTCATCGCCCTGCGCAGCTACATCACTGACAACTAGACCTCTC 3913
QY 1605 AGCTTCCAGCTGGGAGCTCATCAAGCTGTGCGGCTGGGCACTCTGGAGCCAGGCTGG 1664
Db 3914 AGTTTCCAGCTGGGAGCTCATCAAGCTGTGCGGCTGGGCACTCTGGAGCCAGGCTGG 3973
QY 1665 CAGTTGGCTGTGCGGCGGCGCTTCCGAGCTCTTCTGCGGACATAGTCAGAGCGCT 1724
Db 3974 CAGTTGGCTGTGCGGCGGCGCTTCCGAGCTCTTCCGAGCTCTTCCGATGAGCTGTG 4033
QY 1725 GCGCTTCCGAGCTTTCTCTTCCAGGAGCAGAGAGTGGCTGGCA 1771
Db 4034 GCTGCGCCCGGAGCTCTCTCTTCCCTGGGAAAGAGAAACAGCTGGCA 4080

RESULT 7
US-09-764-868-1347/c
; Sequence 1347, Application: US/09764868
; Patent No. US2002016871A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1347
; LENGTH: 24757
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-868-1347
Query Match 17.1%; Score 715; DB 10; Length 24757;
Best Local Similarity 99.3%; Pred. No. 5e-162;
Matches 718; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

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QY 1656 CAGAGCTGGAGTTTGGCTCTGCGGGGGCGTTCGGAGCTCTTTCCTGCGGACATAGT 1715
DB 1670 CAGAGCTGGAGTTTGGCTCTGCGGGGGCGTTCGGAGCTCTTTCCTGCGGACATAGT 10111
QY 1716 CAGCGGGCTGCGGCTCCCGACTTTTCTTCTCAAAGGAGCAGAGAGTGGCTGGCACAAG 1775
DB 10110 CAGCGGGCTGCGGCTCCCGACTTTTCTTCTCAAAGGAGCAGAGAGTGGCTGGCACAAG 10051
QY 1776 GGTAGCTGTCTCAACGGGGAACACAGGCTGGCTCGTGGACAGGGCTCTAGAGGTGAGG 1835
DB 10050 GGTAGCTGTCTCAACGGGGAACACAGGCTGGCTCGTGGACAGGGCTCTAGAGGTGAGG 9991
QY 1836 AAGATGGAGAGGACAGCAGAGCAAGGCTCTGAGACTGAGGAGGAAGGGGTT 1895
DB 9990 AAGATGGAGAGGACAGCAGAGCAAGGCTCTGAGACTGAGGAGGAAGGGGTT 9931
QY 1896 TGACCACTCCCGAGGCTGCGATCGGTTGGACACCTTCTGCTCGTCTCTGCTGGCTGC 1955
DB 9930 TGACCACTCCCGAGGCTGCGATCGGTTGGACACCTTCTGCTCGTCTCTGCTGGCTGC 9871
QY 1956 CCGCTTGCGCGCTCTCTGATGGCTGCGCTTGTCTCCAGCAAGATGTCGACTCTCTGCA 2015
DB 9870 CCGCTTGCGCGCTCTCTGATGGCTGCGCTTGTCTCCAGCAAGATGTCGACTCTCTGCA 9811
QY 2016 GGCAGGGCTGGCTGGATGCTGCTTGTGTGCCACGCTGGTACTAGTCAAGGCTGCC 2075
DB 9810 GGCAGGGCTGGCTGGATGCTGCTTGTGTGCCACGCTGGTACTAGTCAAGGCTGCC 9751
QY 2076 CAGCAGATGCTTAATAACAGCTCTTCACTTCTGCTGGCTTCTGCTTCTGCTTGGT 2135
DB 9750 CAGCAGATGCTTAATAACAGCTCTTCACTTCTGCTGGCTTCTGCTTCTGCTTGGT 9691
QY 2136 GATGCTGGAGGAGGATGGGCTGGGACAGGCTTGGGACAGGCTTGGGACAGGCTTGGG 2195
DB 9690 GATGCTGGAGGAGGATGGGCTGGGACAGGCTTGGGACAGGCTTGGGACAGGCTTGGG 9631
QY 2196 GGTGGACAGGCTTCTTGTGATCCAGGCGCTGCCACCTTGGAGCCAGGACACAG 2255
DB 9630 GGTGGACAGGCTTCTTGTGATCCAGGCGCTGCCACCTTGGAGCCAGGACACAG 9571
QY 2256 TGACAGCTCGGAGGACAGGCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2315
DB 9570 TGACAGCTCGGAGGACAGGCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 9511
QY 2316 CAGCTACACCATGCAGGAATTCGCGGGCTTACTTCCGAGGTCCAGGCTTCTGCGG 2375
DB 9510 CAGCTACACCATGCAGGAATTCGCGGGCTTACTTCCGAGGTCCAGGCTTCTGCGG 9451
QY 2376 CCA 2378
DB 9450 GCA 9448
RESULT 8
US-09-918-995-1723
; Sequence 1723, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/918,995
; PRIOR FILING DATE: 2001-07-30
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1723
; LENGTH: 444
; TYPE: DNA
; ORGANISM: Homo sapiens
Query Match 10.0%; Score 415.4; DB 11; Length 458;
Best Local Similarity 99.8%; Pred. No. 3.1e-90;
Matches 416; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1534 ATGAGCTTAAAGAGGACTTCGCTATGTCATCGCCCTGGCGAGCTACATCACTGCAACT 1593
DB 42 ACGAGCTTAAAGAGGACTTCGCGGTATGTCATCGCCCTCGCGAGCTACATCACTGCAACT 101
QY 1594 CGAGCTCTCCTCAGCTTCCACCGTGGGAGACCTCATCAAGCTGCTGCTGCCCGCCCTGG 1653
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US-09-918-995-1723
Query Match 10.6%; Score 443; DB 11; Length 444;
Best Local Similarity 100.0%; Pred. No. 6.9e-97;
Matches 443; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 619 AAGCTTTTCTGAGGAAATCGACCCCAAGGACGAGGCTCTGGGCAAGCTGGGTATCAACG 678
DB 2 AAGCTTTTCTGAGGAAATCGACCCCAAGGACGAGGCTCTGGGCAAGCTGGGTATCAACG 61
QY 679 GTGCCCACTCTGCTCCCGCCGATGCTGTCTCCCGAGCCCAAGGAGGGCCCCCGCCAGCTG 738
DB 62 GTGCCCACTCTGCTCCCGCCGATGCTGTCTCCCGAGCCCAAGGAGGGCCCCCGCCAGCTG 121
QY 739 TGGCTCTCTCGACCCCAAGGCGCCGCTAGAGCTTGGGCGCTCTAGCTCATCAAGGAAAGC 798
DB 122 TGGCTCTCTCGACCCCAAGGCGCCGCTAGAGCTTGGGCGCTCTAGCTCATCAAGGAAAGC 181
QY 799 AGGGGGCCCTTCTGGAGCTGTGTTGGCCAGAGCTGCTCTATTGGCCACACACCCCACTC 858
DB 182 AGGGGGCCCTTCTGGAGCTGTGTTGGCCAGAGCTGCTCTATTGGCCACACACCCCACTC 241
QY 859 CACCAGGCGCCACCACTGCTCTGCTCCGAGGACCCAGGAGCCCTTTTCAGCAGAGCGTGT 918
DB 242 CACCAGGCGCCACCACTGCTCTGCTCCGAGGACCCAGGAGCCCTTTTCAGCAGAGCGTGT 301
QY 919 GCTTGACACAGCCCGTGGAGGACCCAGGGGTCTCCACCCAGCTACTCGCGCCCTCTGGCA 978
DB 302 GCTTGACACAGCCCGTGGAGGACCCAGGGGTCTCCACCCAGCTACTCGCGCCCTCTGGCA 361
QY 979 GCGTGTCTCTCTACACCGGACCGCTTGGAGTGTTCCTACGCAAGAGGTGTCT 1038
DB 362 GCGTGTCTCTCTACACCGGACCGCTTGGAGTGTTCCTACGCAAGAGGTGTCT 421
QY 1039 ACCCAGCGGAACTTCAGCCAT 1061
DB 422 ACCCAGCGGAACTTCAGCCAT 444
RESULT 9
US-09-918-995-10839
; Sequence 10839, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/918,995
; PRIOR FILING DATE: 2001-07-30
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10839
; LENGTH: 458
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; LOCATION: (1)-(458)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-10839
Query Match 10.0%; Score 415.4; DB 11; Length 458;
Best Local Similarity 99.8%; Pred. No. 3.1e-90;
Matches 416; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1534 ATGAGCTTAAAGAGGACTTCGCTATGTCATCGCCCTGGCGAGCTACATCACTGCAACT 1593
DB 42 ACGAGCTTAAAGAGGACTTCGCGGTATGTCATCGCCCTCGCGAGCTACATCACTGCAACT 101
QY 1594 CGAGCTCTCCTCAGCTTCCACCGTGGGAGACCTCATCAAGCTGCTGCTGCCCGCCCTGG 1653
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102 GCAGCCTCCTCAGCTTCCACCGTGGGACCTCATCAAGCTGCTGCCGTGGCCACCTGG 161
1654 AGCAGGCTGGCAGTTGGCTCTGCCGGGGCGGTTCGGCACTTTTCTTCCGCGCATAG 1713
162 AGCAGGCTGGCAGTTGGCTCTGCCGGGGCGGTTCGGCACTTTTCTTCCGCGCATAG 221
1714 TGCAGCGGCTGGCGCTCCCGACTTTTCTTCTCCAGGAGCAGAGAGTGGCTGGCACA 1773
222 TGCAGCGGCTGGCGCTCCCGACTTTTCTTCTCCAGGAGCAGAGAGTGGCTGGCACA 281
1774 AGGTTCAGCTGTCCAAAGGGGAAACAGGGCTGGCTCGGTGGGACAGGGCTCAGAGGTGA 1833
282 AGGTTCAGCTGTCCAAAGGGGAAACAGGGCTGGCTCGGTGGGACAGGGCTCAGAGGTGA 341
1834 GCRAGATGGGAGGGGACAGCAGAGCAAGGCTGCTCAGACTGAGGAGGAAAGGGG 1893
342 GGAAGATGGGAGGGGACAGCAGAGCAAGGCTGCTCAGACTGAGGAGGAAAGGGG 401
1894 TTTGACCACTCCCGAGGCTGCCATGCGGTGGGACCACTGCTGTCGGTCTCCTGTG 1950
402 TTTGACCACTCCCGAGGCTGCCATGCGGTGGGACCACTGCTGTCGGTCTCCTGTG 458
SULT 10
-09-954-456-176/c
Sequence 176, Application US/09954456
Patent No. US20020115057A1
GENERAL INFORMATION:
APPLICANT: Young, Paul
TITLE OF INVENTION: Sets
FILE REFERENCE: 689290-76
CURRENT APPLICATION NUMBER: US/09/954,456
CURRENT FILING DATE: 2001-09-18
PRIOR APPLICATION NUMBER: US/60/233,617
PRIOR FILING DATE: 2000-09-16
PRIOR APPLICATION NUMBER: US/60/234,052
PRIOR FILING DATE: 2000-09-20
PRIOR APPLICATION NUMBER: US/60/234,923
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: US/60/235,134
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: US/60/235,637
PRIOR FILING DATE: 2000-09-26
PRIOR APPLICATION NUMBER: US/60/235,638
PRIOR FILING DATE: 2000-09-26
PRIOR APPLICATION NUMBER: US/60/235,711
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US/60/235,720
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US/60/235,840
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US/60/235,863
PRIOR FILING DATE: 2000-09-27
NUMBER OF SEQ ID NOS: 2276
SOFTWARE: Patent in version 3.0
SEQ ID NO 176
LENGTH: 311
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc.feature
OTHER INFORMATION: n=a.t.g or c
US-09-954-456-176
Query Match 7.0%; Score 292; DB 10; Length 311;
Best Local Similarity 98.1%; Pred. No. 1.5e-60;
Matches 306; Conservative 0; Mismatches 5; Indels 1; Gaps 1;
y 3843 TCACCCACATGCTGCGCTTGGATGCTATCAGATCACTGTTCTAGAACCTGCTCAGCAC 3902
b 311 TCACCCACATGCTGCGCTTGGATGCTATCAGATCACTGTTCTAGAACCTGCTCAGCAC 252
y 3903 AGCCAGCGGGCCACATCAGAGCCATGAGGAGGGGTGCTATCAGTCAACGACAGGC 3962
b 251 AGCCAGCGGGCCACATCAGAGCCATGAGGAGGGGTGCTATCAGTCAACGACAGGC 192

Db 251 AGCCAGCGGGCCACATCAGAGCCATCAGGAGGGGTGCTATCAGTCAACGACAGGC 192
Qy 3963 AAAAGAAAACAGCAGACCTCTCCAGGACGGCTGGGGCCAAAGCGGGCTGCAGGAACTC 4022
Db 191 AAAGAAAACAGCAGACCTCTCCAGGACTGCTGGGGCCAAAGCGGGCTGCAGGAACTC 132
Qy 4023 GCTGGGGACCTGAGGTGGCCAGTCTGAGGGAGATGCCACCGGACCCCGAGGCTCGGC 4082
Db 131 GCTGGGGACCTGAGGTGGCCAGTCTGAGGGAGATGCCACCGGACCCCGAGGCTCGGC 73
Qy 4083 CCAGGCCCCACATAGCACAGCCAGGCATGGGAGAAACAGCTGCTGAGGAAATAAAC 4142
Db 72 CCAGGCCCCACATAGCACAGCCAGGCATGGGAGAAACAGCTGCTGAGGAAATAAAC 13
Qy 4143 TCCCTAAAAAAA 4154
Db 12 TCCCTGGAGAAA 1
RESULT 11
US-09-954-456-861/c
Sequence 861, Application US/09954456
Patent No. US20020115057A1
GENERAL INFORMATION:
APPLICANT: Young, Paul
TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Can.
FILE REFERENCE: 689290-76
CURRENT APPLICATION NUMBER: US/09/954,456
CURRENT FILING DATE: 2001-09-18
PRIOR APPLICATION NUMBER: US/60/233,617
PRIOR FILING DATE: 2000-09-16
PRIOR APPLICATION NUMBER: US/60/234,052
PRIOR FILING DATE: 2000-09-20
PRIOR APPLICATION NUMBER: US/60/234,923
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: US/60/235,134
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: US/60/235,637
PRIOR FILING DATE: 2000-09-26
PRIOR APPLICATION NUMBER: US/60/235,638
PRIOR FILING DATE: 2000-09-26
PRIOR APPLICATION NUMBER: US/60/235,711
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US/60/235,720
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US/60/235,840
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US/60/235,863
PRIOR FILING DATE: 2000-09-27
NUMBER OF SEQ ID NOS: 2276
SOFTWARE: Patent in version 3.0
SEQ ID NO 861
LENGTH: 311
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc.feature
OTHER INFORMATION: n=a.t.g or c
US-09-954-456-861
Query Match 7.0%; Score 292; DB 10; Length 311;
Best Local Similarity 98.1%; Pred. No. 1.5e-60;
Matches 306; Conservative 0; Mismatches 5; Indels 1; Gaps 1;
Qy 3843 TCACCCACATGCTGCGCTTGGATGCTATCAGATCACTGTTCTAGAACCTGCTCAGCAC 3902
Db 311 TCACCCACATGCTGCGCTTGGATGCTATCAGATCACTGTTCTAGAACCTGCTCAGCAC 252
Qy 3903 AGCCAGCGGGCCACATCAGAGCCATGAGGAGGGGTGCTATCAGTCAACGACAGGC 3962
Db 251 AGCCAGCGGGCCACATCAGAGCCATGAGGAGGGGTGCTATCAGTCAACGACAGGC 192

QY 3963 AAAGAAACAGCCAGACCTCTCCAGGACGGCTGGGGCCAAAGGGGCTGCAGGAATC 4022
DB 191 AAAGAAACAGCCAGACCTCTCCAGGACGGCTGGGGCCAAAGGGGCTGCAGGAATC 132
QY 4023 GGCTGGGACCTGAGGTGGCCAGTCTGAGGAGATGCCACCCAGCCAGCTCCGC 4082
DB 131 GGCTGGGACCTGAGGTGGCCAGTCTGAGGAGATGCCACCCAGCCAGCTCCGC 73
QY 4083 CCAGCCCCACATTAGCAACAGCCAGGATGGGAGAAACAGCTGCTGAGGAATAAAC 4142
DB 72 CCAGCCCCACATTAGCAACAGCCAGGATGGGAGAAACAGCTGCTGAGGAATAAAC 13
QY 4143 TCCCTAAAAAA 4154
DB 12 TCCCTGGAGAA 1

RESULT 12
US-09-880-167-1520/c
; Sequence 1520, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5C28-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1520
; LENGTH: 311
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 AA621277
US-09-880-167-1520

Query Match
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Matches 306; Conservative 0; Mismatches 5; Indels 1; Gaps 1;
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DB 311 TCACCCACATGCTGGCTTGGATGCTATCAGATCACTGTTCTAGAACTGCTCAGCAC 252
QY 3903 AGCCGAGCGGCCACATGCGCCATGAGGAGGAGGCTGCTATCAGTCCACGAGGC 3962
DB 251 AGCCGAGCGGCCACATGCGCCATGAGGAGGAGGCTGCTATCAGTCCACGAGGC 192
QY 3963 AAAGAAACAGCCAGACCTCTCCAGGACGGCTGGGGCCAAAGGGGCTGCAGGAATC 4022
DB 191 AAAGAAACAGCCAGACCTCTCCAGGACGGCTGGGGCCAAAGGGGCTGCAGGAATC 132
QY 4023 GGCTGGGACCTGAGGTGGCCAGTCTGAGGAGATGCCACCCAGCTCCGC 4082
DB 131 GGCTGGGACCTGAGGTGGCCAGTCTGAGGAGATGCCACCCAGCTCCGC 73
QY 4083 CCAGCCCCACATTAGCAACAGCCAGGATGGGAGAAACAGCTGCTGAGGAATAAAC 4142
DB 72 CCAGCCCCACATTAGCAACAGCCAGGATGGGAGAAACAGCTGCTGAGGAATAAAC 13
QY 4143 TCCCTAAAAAA 4154
DB 12 TCCCTGGAGAA 1

RESULT 13
US-09-873-367C-641/c
; Sequence 641, Application US/09873367C
; Publication No. US20030165839A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; APPLICANT: Soppet, Daniel
; APPLICANT: Endress, Gregory
; APPLICANT: Augustus, Meena
; APPLICANT: Ebner, Reinhard
; APPLICANT: Carter, Kenneth
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
; FILE REFERENCE: 689290-84
; CURRENT APPLICATION NUMBER: US/09/873,367C
; CURRENT FILING DATE: 2003-04-29
; PRIOR APPLICATION NUMBER: U.S. 60/236,891
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: U.S. 60/236,842
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: U.S. 60/244,867
; PRIOR FILING DATE: 2000-11-01
; PRIOR APPLICATION NUMBER: U.S. 60/245,084
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 1067
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 641
; LENGTH: 311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-873-367C-641

Query Match
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Matches 306; Conservative 0; Mismatches 5; Indels 1; Gaps 1;
QY 3843 TCACCCACATGCTGGCTTGGATGCTATCAGATCACTGTTCTAGAACTGCTCAGCAC 3902
DB 311 TCACCCACATGCTGGCTTGGATGCTATCAGATCACTGTTCTAGAACTGCTCAGCAC 252
QY 3903 AGCCGAGCGGCCACATGCGCCATGAGGAGGAGGCTGCTATCAGTCCACGAGGC 3962
DB 251 AGCCGAGCGGCCACATGCGCCATGAGGAGGAGGCTGCTATCAGTCCACGAGGC 192
QY 3963 AAAGAAACAGCCAGACCTCTCCAGGACGGCTGGGGCCAAAGGGGCTGCAGGAATC 4022
DB 191 AAAGAAACAGCCAGACCTCTCCAGGACGGCTGGGGCCAAAGGGGCTGCAGGAATC 132
QY 4023 GGCTGGGACCTGAGGTGGCCAGTCTGAGGAGATGCCACCCAGCTCCGC 4082
DB 131 GGCTGGGACCTGAGGTGGCCAGTCTGAGGAGATGCCACCCAGCTCCGC 73
QY 4083 CCAGCCCCACATTAGCAACAGCCAGGATGGGAGAAACAGCTGCTGAGGAATAAAC 4142
DB 72 CCAGCCCCACATTAGCAACAGCCAGGATGGGAGAAACAGCTGCTGAGGAATAAAC 13
QY 4143 TCCCTAAAAAA 4154
DB 12 TCCCTGGAGAA 1

RESULT 14
US-09-864-761-7087/c
; Sequence 7087, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Gene Expression Analysis by Microarray
; FILE REFERENCE: Aeomica-X-1

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CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263,6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
SEQ ID NO 7087
LENGTH: 526
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AC019214.2
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.4
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.3
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.8
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.8
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5
OTHER INFORMATION: EST HUMAN HIT: AV649878.1, EVALUE 5.00e-91
OTHER INFORMATION: SW:SSRPCT HIT: P05895, EVALUE 1.00e-00
OTHER INFORMATION: NT HIT: g111426247, EVALUE 1.50e+00
-09-864-761-7087

Query Match 4.7% Score 196; DB 9; Length 526;
Best Local Similarity 100.0%; Pred. No. 2.2e-37;
Matches 196; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1656 CCAGCTGGCAGTTGGCTCTCCGGGGGGCGCTTCCGAGACTCTTTCTCTCGGCACATAGTG 1715
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196 CCAGCTGGCAGTTGGCTCTCCGGGGGGCGCTTCCGAGACTCTTTCTCTCGGCACATAGTG 137
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1716 CAGCGGCTGGCGCTCCGAGCTTTCTCTCCAGGAGCAGAGAGTGCGTGGCACAAG 1775
|||||
136 CAGCGGCTGGCGCTCCGAGCTTTCTCTCCAGGAGCAGAGAGTGCGTGGCACAAG 77
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1776 GGTCAAGCTGTCACAGCGGGAACCCAGGGCTGGCTGGTGAGACAGGCTCAGAGGTGAGG 1835
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76 GGTCAAGCTGTCACAGCGGGAACCCAGGGCTGGCTGGTGAGACAGGCTCAGAGGTGAGG 17
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1836 AAGATGGGAGAGGGAC 1851
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Db 16 AAGATGGGAGAGGGAC 1
RESULT 15
US-09-864-761-23818/c
; Sequence 23818, Application US/09564761
; Patent No. US20020048763A;
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron C.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENE-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecmics-X.1
; CURRENT APPLICATION NUMBER: US/09/864,761
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263,6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
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; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
; SEQ ID NO 23818
; LENGTH: 170
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC019214.2
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.4
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5
; OTHER INFORMATION: EST HUMAN HIT: AV649878.1, EVALUE 5.00e-91
; OTHER INFORMATION: SW:SSRPCT HIT: P05895, EVALUE 1.00e-00
; OTHER INFORMATION: NT HIT: g111426247, EVALUE 1.50e+00
US-09-864-761-23818
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Best Local Similarity 100.0%; Pred.No. 3.2e-31;
Matches 170; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1720 CGGCTGCCGCTCCCGACTTTTCTCTCTCCAAAGGAGCAGGAGTGGCTGGCACAAAGGCTC 1779
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Db 110 CGGCTGCCGCTCCCGACTTTTCTCTCTCCAAAGGAGCAGGAGTGGCTGGCACAAAGGCTC 51

Qy 1780 AGCTCTCCAAAGGAGCAGGCTGGCTGGGACAGGGCTCAGAG 1829
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Db 50 AGCTCTCCAAAGGAGCAGGCTGGCTGGGACAGGGCTCAGAG 1
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Search completed: October 17, 2003, 04:22:51
Jct time : 740.242 secs

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RESULT 1

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US-09-803-126-3
: Sequence 3, Application US/09803126
: Patent No. US20020099190A1
: GENERAL INFORMATION:
: APPLICANT: Brooks, Alan R.
: APPLICANT: Deng, Gary G.
: APPLICANT: Rubany1, Gabor M.
: TITLE OF INVENTION: Estrogen-Regulated Unconventional Myosin-Related
: TITLE OF INVENTION: Protein: Compositions and Methods of Use
: FILE REFERENCE: 015303-000310US
: CURRENT APPLICATION NUMBER: US/09/803,126
: CURRENT FILING DATE: 2001-03-09
: PRIOR APPLICATION NUMBER: US 60/188,488
: PRIOR FILING DATE: 2000-03-10
: NUMBER OF SEQ ID NOS: 35
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 3
: LENGTH: 4375
: TYPE: DNA
: ORGANISM: Mus sp.
: FEATURE:
: OTHER INFORMATION: Mouse myosin related protein (MRP) variant 2 cDNA
US-09-803-126-3

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	Query Match	100.0%; Score 4375; DB 9; Length 4375;
	Best Local Similarity	100.0%; Pred. No. 0;
	Matches 4375; Conservative	0; Mismatches 0; Indels 0; Gaps 0
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Dd	1	CGCTGGGACTGTCACTTACAGGTGCACAGTTTCATAAACAAGAAACAGGGGCCACTGGA 60
QY	61	CCCCGCTGTGCTGGAGATGCTCAGGCAGAGCCAGCTGCAGGTGA CTTAGCCTTCCTTTCA 120
Dd	61	CCCCGCTGTGCTGGAGATGCTCAGGCAGAGCCAGCTGCAGGTGA CTTAGCCTTCCTTTCA 120
QY	121	GCTCATGGGAGCCTGTTTCCAAGACGAGCCCAGGCTGGGACTGAGCAAACAAAACC 180

SUMMARIES

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		Match	length			
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2	4352	99.5	6293	9	US-09-803-126-2	Sequence 2, Appli
3	946.4	21.6	3780	9	US-09-803-126-7	Sequence 7, Appli
4	946.4	21.6	4174	9	US-09-803-126-5	Sequence 5, Appli
5	621.2	14.2	1247	10	US-09-764-868-145	Sequence 145, Appli
6	233.6	5.3	444	11	US-09-918-995-1723	Sequence 1723, A
7	168.8	3.9	458	11	US-09-918-995-10839	Sequence 10839,
C 8	166.2	3.8	24757	10	US-09-764-868-1347	Sequence 1347, A
C 9	102	2.3	618	13	US-10-027-633-270785	Sequence 270785,
C 10	99.6	2.3	482	11	US-09-918-995-362	Sequence 362, Ap
C 11	89.4	2.0	526	9	US-09-864-761-7387	Sequence 7087, Ap
C 12	75.2	1.7	170	9	US-09-864-761-23818	Sequence 23818, A
C 13	64.6	1.5	7718	14	US-10-175-523-130	Sequence 130, Ap
C 14	64.6	1.5	7787	12	US-10-021-660-54	Sequence 54, Appl
C 15	58.2	1.3	6171	11	US-09-815-379-9	Sequence 9, Appl
C 16	58.2	1.3	9621	11	US-09-815-379-11	Sequence 11, Appl

121 GCTCATGGGCGAGCTGTCTTCAAGAGCAGAGCCCCAGGCTGGGACTGAGCAAAACAAACC 180
181 CACATTGGCCCTCTCGATTCCAGACAGACCTGGGTGACTTGTAGCTCGGCTAGCGAGCAG 240
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421 CTTGGGTGAGGAGAGCAGAAAGCTGCTCTGACACGAGAGAGTGTGGTCCCATCTCAG 480
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481 TGAAGTGTGGGGCAGAGTACCGCTGTATCATCTTTGGAGTCAACCGAGTCTCTGTGCA 540
481 TGAAGTGTGGGGCAGAGTACCGCTGTATCATCTTTGGAGTCAACCGAGTCTCTGTGCA 540
541 GGAACAGGGCTGGCAGCAGCTAGAACAGCTGTGGGCTCAGCGGCTCAGACGCCCTGCT 600
541 GGAACAGGGCTGGCAGCAGCTAGAACAGCTGTGGGCTCAGCGGCTCAGACGCCCTGCT 600
601 CACTCTGCACCGTGGCCTCGAGGCTGTATCACCCTGAGGCTCGCTCTCTGCCCCG 660
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661 GATCAGGCTGCTGGTGGGCTCAGGCCAGGAGCGATATCTCCAGCGAGGTGACG 720
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721 TCTGGGACAGCTGAACACCACTTCTCTAGTGGCCCCGCTCTGCTCGGAGACGACAGAA 780
721 TCTGGGACAGCTGAACACCACTTCTCTAGTGGCCCCGCTCTGCTCGGAGACGACAGAA 780
781 GCTACGGTGTGCCCCCTGGCCGACAGCGGGAGCCCTGGGGGAAAGTGTCAATATGGA 840
781 GCTACGGTGTGCCCCCTGGCCGACAGCGGGAGCCCTGGGGGAAAGTGTCAATATGGA 840
841 CTTGGTTCGCTTAGAGATCCCCGCCAGCTGGCTACTCTGCTGGAGAGGCGGAAGGCCA 900
841 CTTGGTTCGCTTAGAGATCCCCGCCAGCTGGCTACTCTGCTGGAGAGGCGGAAGGCCA 900
901 CCAAGCCCTTGTGACGGGAGCATCAGAGTCCCTGCCACTGAGTCCCCCGCCCGGCC 960
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961 CAGCTGACTCTCCCTCCAGACATTGACCACTTCCCTTCTCCAGTCTTGTATCCACAG 1020
961 CAGCTGACTCTCCCTCCAGACATTGACCACTTCCCTTCTCCAGTCTTGTATCCACAG 1020
1021 CTTTCAGAAAGCATTTCTGCTCGACACAGGCGAGCCACTGGACAGGCCCTGACGCGGTT 1080
1021 CTTTCAGAAAGCATTTCTGCTCGACACAGGCGAGCCACTGGACAGGCCCTGACGCGGTT 1080
1081 AGATGGCAGAAACCTCTAGCAGGCTTGGAGATCAACAGGGTGTATGCTGGGCTCTGGG 1140
1081 AGATGGCAGAAACCTCTAGCAGGCTTGGAGATCAACAGGGTGTATGCTGGGCTCTGGG 1140
1141 GGAAGGATCTCTGAGTCTCTGGCAGAGCAGACCATGGGACGTTCTCTGTGAGAGGC 1200
1141 GGAAGGATCTCTGAGTCTCTGGCAGAGCAGACCATGGGACGTTCTCTGTGAGAGGC 1200
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TITLE OF INVENTION: Protein: Compositions and Methods of Use

FILE REFERENCE: 015303-000310US

CURRENT APPLICATION NUMBER: US/09/803.126

PRIOR FILING DATE: 2001-03-09

PRIOR APPLICATION NUMBER: US 60/188,488

PRIOR FILING DATE: 2000-03-10

NUMBER OF SEQ ID NOS: 35

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 2

LENGTH: 6293

TYPE: DNA

ORGANISM: Mus sp.

FEATURE:

OTHER INFORMATION: Mouse myosin related protein (MRP) variant 1 cDNA

-09-803-126-2

Query Match 99.5%; Score 4352; DB 9; Length 6293;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 4352; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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181 CACATTGGCCCTCTCGATTCCAGCAGAGCCCTGGGTGACTTGTGCTAGCTAGGCTGAGCAG 240

241 GGGCCATGTCTACGTATCATCTGCTCAATCCCAACCCCTGGAAAGATCCAGGCTCTT 300
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301 GGAGCTGGGGAGATGGCAGAGAGCTGCGTCAGGCTGGCATCTCGAGATCATAGGCAC 360
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661 GATCAGGCTGTGTGGGTGGGCTCCAGGCCAGGAAGCATATCTCCAGCGGAGGTGAGC 720
661 GATCAGGCTGTGTGGGTGGGCTCCAGGCCAGGAAGCATATCTCCAGCGGAGGTGAGC 720

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RESULT 4
US-09-803-126-5
; Sequence 5, Application US/09803126
; Patent No. US20020099190A1
; GENERAL INFORMATION:
; APPLICANT: Brooks, Alan R.
; APPLICANT: Deng, Gary G.
; APPLICANT: Rubanyi, Gabor M.
; TITLE OF INVENTION: Estrogen-Regulated Unconventional Myosin-Related
; FILE OF INVENTION: Protein: Compositions and Methods of Use
; FILE REFERENCE: 015303-000310US
; CURRENT APPLICATION NUMBER: US/09/803,126
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: US 60/198,488
; PRIOR FILING DATE: 2000-03-10
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 5
; LENGTH: 4174
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Partial DNA sequence for human myosin related
; OTHER INFORMATION: protein variant 1 (hMRP1)
US-09-803-126-5

Query Match 21.6%; Score 946.4; DB 9; Length 4174;
Best Local Similarity 72.2%; Pred. No. 3,3e-247;
Matches 1290; Conservative 0; Mismatches 475; Indels 22; Gaps 4;

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QY 3494 CTGAGAGCCCTTGACATTTGTTGAAGACAGCATCAAAAGAGCGATCTGTGGTCTGTCTCG 3553
D 1185 CTGATTTCTCTCACCACCAAGAGAGAGGCTCAAGAGGCGCATCTGTGGTGGCTCGG 1244
QY 3554 GACAACTGGGCGCAATTAATCTCTCCGCTCTTCCAGTCTCGGCTGAGAGTGGCAGGAT 3613
D 1245 GACAACTGGGCGCAATTAATCTCTCCGCTCTTCTCTCTCTCGGCGAGAGTGGCAGGAC 1304
QY 3614 GTACAGCTGTGGGTGTCTCAGCGGAGCTCGGCTGTCTGAAGGTGACCCAAAGCCCG 3673
```

1305 GTGAGCTGTAGCCGTGCCACCGTGGGCTGGAGCTGCTCAAGGTGACCCCAAGGCCCC 1364
3674 AGCTTCCACCTGACACGAGCTGAAGACACTCTGTCTTCTTACAGCTATGCTGAAGTCTTCAC 3733
1365 GGCTCGCCCGCCGACGAGCTGAAGATTTCTGCTCATACAGCTTTGCGAGGTGCTGGGT 1424
3734 GTGAGTGCAGGGGACAGATCCACCTCGAGCTGTCTTGAAGATGAGCAGCTGATCTG 3793
1425 GTGAGTGCAGGGGCGGCTCCACCTCGAGCTGTCACTGAAGAGCGAGCAGCTGTGCTG 1484
3794 CACACAGCTGGCGAGGGCCATCAAGGCCATCGTGGATCTATTCTTGAAGTGAACCTCAGG 3853
1485 CACACAGCCCGGCAAGGGCCATCGAGGCCCTGGTTGAGCTATTCTTGAATGAGCTTAAG 1544
3854 AAGGACTCCCGCTATGTATCATCGCCCTCGGAGCTATACATCCAGATGACAAATAGCCTCCTC 3913
1545 AAGGACTCCCGCTATGTATCATCGCCCTCGGAGCTATACATCACTGACAACTGCAGCTCCTC 1604
3914 AGTTTCACCGTGGGACCTCATTTAGGTTACTGCGAGTGACCGCTCTTGGAAACAGGCTGG 3973
1605 AGCTTCCACCGTGGGACCTCATCAAGCTGTGCGCGTGGCCACCTTGGAGCCAGGCTGG 1664
3974 CAGTTCCGTTCTGCGGGGCGGCTCCGAGCTCTTCCCGATGACGTGCGAGCGAGCT 4033
1665 CAGTTTGGCTTCTGCGGGGCGGCTCCGAGCTCTTCTGCGACATAGTGCAGCGGCT 1724
4034 GCTGCCCGCCAGCTCTCTCTTTCCCTCGGAAAGAAACAGCTGGCA 4080
1725 GCCGCTCCCGACTTTCTCTTCCAGGAGCAGAGGAGTGCTGGCA 1771

RESULT 5
-09-764-868-145
Sequence 145, Application US/09764868
Patent No. US2002168711A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PT232
CURRENT APPLICATION NUMBER: US/09/764,868
CURRENT FILING DATE: 2001-01-17
Prior application data removed - refer to PALM or file wrapper
NUMBER OF SEQ ID NOS: 1510
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 145
LENGTH: 1247
TYPE: DNA
ORGANISM: Homo sapiens
-09-764-868-145

Query Match 14.2%; Score 621.2; DB 10; Length 1247;
Best Local Similarity 80.6%; Pred. No. 9.1e-159;
Matches 725; Conservative 1; Mismatches 174; Indels 0; Gaps 0;

3181 ACCGCTCTGTCTGGGAGCCCAAGACCCCTTCAGTGGAGTCTCATGCTTCAGCAGACC 3240
1 ACTGCTCTGCGCGAGGCCAGGACCCCTTCAGCAGAGCTGCTGCTTCAGCAGACC 60
3241 CATGAGGACAAAGACATCTCCACAAAGCTCTTGTGCGCTCTGGAAGTGTGCTTCTC 3300
61 CTGAGGAGACAGGGGGTCTCCACCAGTACTCGCGCCCTCTGCGAGCTGTGCTTCTC 120
3301 CTATGCCAATGACCCCTCGAAGTGTCTTACGCAAGAGAGTGTCTACCCCGGGAGAA 3360
121 CTACACCGGCACGCGCTCGAAGTGTCTTCTACGCAAGAGAGTGTCTACCCACGAGAA 180
3361 CTTAGTATCATCTACTGCTCAGTCTCTCTGCGCAGAGATCTCTGCGGACACCTTCAC 3420
181 CTTAGCATCTCTACTACTGAGCTCTCTGTGAGCAGATCTCTACGCGACCTTCTC 240
3421 ACAGTCTGCAACCCGATCTACAGAGTACGCGGCACAAATGAAAGGCTCTTCTGGAGA 3480
241 CGAGTCTGTATCCCGATTTCCAGATAGCGCGCGGAAATGAAAGACCTGCTGGGAGG 300

3481 CTTGAGGTGAGTCTGGAGACCCCTTGACATTTGTTGAAGACAGCATCAAAAACCGCATCGT 3540
301 CTTGAGGTGAGACCTTGGATTCTCTACCCACCAAGACAGCGCTCAAGAAGCGCATCGT 360
3541 GGTCTGCTGCTGGGACAACTGGGCCAATTACTCTCCCGCATCTTCCCGAGTCTCGGGTGA 3600
361 GGTGCGCGCTCGGGACAACTGGGCCAATTACTCTCCCGCATCTTCTCTGCTCTCGGGCA 420
3601 GAGTGGCAGCGATGTACAGCTGTCTGGTGTCTCACCGGGGACTGCGGCTGCTGAAAGT 3660
421 GAGTGGCAGCGATGTACAGCTGTCTGGTGTCTCACCGCGTGTCCACCGTGGGCTGCGACTGCTCAAGGT 480
3661 GACCCAAAGCCCGAGCTTCCACCTGGACCGAGCTGAAGACACTCTGTTCTTACAGCTATGC 3720
481 GACCCAAAGCCCGCGCTTCCCGCCGACCGAGCTGAAGATTCTCTGCTCATACAGCTTGC 540
3721 TCAAGTCTCTGACCGTGCAGTGCAGGGGAGATCCACCCCTGGAGCTGTCTTGAAGAAAGA 3780
541 GGAGGTGCTGGGTGTGGAAATGCGCGGGGCGCTCCACCTTGGAGCTGTCTGTAAGAGCGCA 600
3781 GCAGCTGATACCTGCACACAGCCTGGCGAGGCGCATCAAGGCCATGGTGGATCTATTCT 3840
601 GCAGCTGTGCTGTGCACACAGCCTGGCGAGGCGCATCGAGGCGCTGGTGAAGCTATTCT 660
3841 GAGTGAACCTCAGGAAGGACTCGGGCTATGTATCGCGCTGCGCAGCTACATCAGCGATGA 3900
661 GAACGAGCTTAAGAAGGACTCGGGCTATGTATCGCGCTGCGCAGCTACATCAGCTGACAA 720
3901 CAATAGCCTCTCAGTTTCCACCGTGGGAGCTCATTAAGTTACTGCGAGTCAACGCTCT 3960
721 CTGACGCTCTCTCAGCTTCCACCGTGGGAGCTCATTAAGTTACTGCGAGTCAACGCTCT 780
3961 GGAACGAGCTGGCAGTTCGTTCTGCGGGGCGCGCTCCGAGCTCTTTCCCGATGAGCT 4020
781 GGAGCCAGCTGGCAGTTTGGCTCTGCGGGGCGCGCTTCCGAGCTCTTTCTGCGCAGAT 840
4021 GGTGAGCGAGCTGTGCGCGCGAGCTCTCTCTTCCCTGGGAAAGAGAAAGAGCTGSCA 4080
841 AGTGCAGCGCGCTGCGCGCTCCGAGCTTTCTCTTCCAAAGGAGCAGAGGAGTGGGTGSCA 900

RESULT 6
US-09-918-995-1723
; Sequence 1723, Application US/09918995
; Publication No. US20030673623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 2041-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1723
; LENGTH: 444
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-918-995-1723

Query Match 5.3%; Score 233.6; DB 11; Length 444;
Best Local Similarity 73.2%; Pred. No. 2.7e-53;
Matches 331; Conservative 0; Mismatches 109; Indels 12; Gaps 2;

2922 AAATTTTCAAGAAATAATGACCTTAAGATGAGGCTTTGGCTAAGTTAGGGATAATG 2981
2 AAGCTTTCTCTGAGAAATAATGACCTTAAGAAAGAGGCTCTGGCCAAAGCTGGGTATCAAG 61
2982 GCGTCCACTTGGCCCTATCGACA---TCGCTTAACCAAGGAGAGCTCTCCACCGCGCTG 3038


```

Db      62  GTGCCCACTCGTCCCGCGATGCTGTCGCCCGAGCCAGCAAGAGGGCCCCCGCCAGCTG 121
QY      3039 TAGTTCTCGACTAAGGTGCGACTGCTGTTAGAGCTTCCCTATCCATCCAGGAAAGC 3098
Db      122  TGGCTCTCGACCAAGGCGCGCTACAGCTTGGGCGCTTAGCTCCATCAAGGAAAGC 181
QY      3099 AGGAGCCCTTCGGGACCTTGTGGCCCATGTAGTCCAAACCCACTAGACTCCAGCAC 3158
Db      192  AGGGGCGCTTGGACCTGTGTGGC-----CAGAAGTGGCTATTGCCCAACAC 232
QY      3159 CCGCGCTCCACAGCACTCCACACCCCTCTGTCTGGGAGCCCAAGACCCCTTCAGTGG 3218
Db      233  CCGCACTCCACAGCGCCAGCACTCTCTCTCCCTGAGACCCAGGAGCCCTTCAGCAG 292
QY      3219 AGTCTCATGCTTCAGAGCCCATGGAGCAAGAACATCTCCAAAGCTCCTTTGTC 3278
Db      293  ASGGTGGTTCGTACACAGCCGCTGAGGACACAGGGGCTCTCCACCCAGCTACTCGGC 352
QY      3279 CTTCTGGAAGTGTGCTTCTCTATGCCAATCCACCCCTGGAAGTGTCTTACGCAAG 3338
Db      353  CTTCTGGAGGCTGCTTCTCTACCGGACCGCCCTGGAAGTGTCTTACGCAAG 412
QY      3339 AGTGTCTTACCCCGGAGAACTTCAGTCAT 3370
Db      413  ASGTGTCTTACCCAGCGGAGAACTTCAGTCAT 444

RESULT 7
US-09-918-995-10839
; Sequence 10839, Application US/099:8995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/318,995
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 10839
; LENGTH: 459
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc.feature
; LOCATION: (1)-(458)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-10839

Query Match      3.9%; Score 168.8; DB 11; Length 458;
Best Local Similarity 82.2%; Pred. No. 1.3e-35;
Matches 194; Conservative 0; Mismatches 42; Indels 0; Gaps 0;

QY      3845 GAATCAGGAAGCACTCCGGCTATGTATCGCCCTCGCAGGTACATCCAGTACAAT 3904
Db      44  GAGCTTAAAGAAGCACTCCGGCTATGTATCGCCCTCGCAGGTACATCACTGACAACGC 103
QY      3905 AGCCTCTCAGTTCCACCGTGGGACCTCATTTAGTTACTGCCAGTGACCGCTCTGGAA 3964
Db      104  AGCCTCTCAGTTCCACCGTGGGACCTCATCAAGCTGCTGCCGTGGCCACCCCTGGAG 163
QY      3965 CCAGGCTGGCAGTTCGGTCTTCGGGGGCGCTCCGGACCTTTCCCGATGACGTGGTG 4024
Db      164  CCAGGCTGGCAGTTCGGTCTTCGGGGGCGGTTCGGACCTTTTCTCCGACATAGTG 223
QY      4025 CAGCCAGCTCTGCCCGCCGACCTCTCTCTTCCCTGGGAAAGAACAGCTGGCA 4080
Db      224  CAGCGGCTGCCGCTCCGACTTTCCTCTCTCAAGGACGAGGAGTGGCTGGCA 279
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```

RESULT 8
US-09-764-868-1347/c
; Sequence 1347, Application US/09764868
; Patent No. US2002016871A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 1347
; LENGTH: 24757
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-868-1347

Query Match      3.8%; Score 166.2; DB 10; Length 24757;
Best Local Similarity 80.2%; Pred. No. 2.9e-34;
Matches 195; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

QY      1119 GGGTGATGCTCGGCTCTGGGGAAGGATCTCTGCAGTCTCTGGCAAGCAGACCATGG 1178
Db      17652 GCGAGATGCTCGGCTCTGGGGAAGGATCTCTGGAGTCTCTGCAGAGGCGATCATGG 17593
QY      1179 GCACGTTCTCTGCAGCAGCCCGGAGCCGAGATCCGAGATCAGCTTTCAGCC 1238
Db      17592 GCGCATACCTGTCGCGCAGGCGGAGTCCGCGCAGGCTCGGGAATCAGCTTTAGCC 17533
QY      1239 AGCTGTCGCGCAGCTGTGGCGCAACCCAGATGAGCAACAGATCAGCGTGGCTGGGCC 1298
Db      17532 AGCTGTCGCGCAGCTGTGGCAAGAACCCAGATGAACAGCAGGCGGCTGGCTGGGCC 17473
QY      1299 TAATGGTCATCTCTGTCAGCTCTTTGCTCCACACCTGCGCTGGAGAGCCACTGTCA 1358
Db      17472 TCATGGCTGTTTGTCTAGCGCCCTTCCCCACCTGCTCTCAGAAAGCCACTGTCA 17413
QY      1359 AAT 1361
Db      17412 AGT 17410

RESULT 9
US-10-027-632-270785/c
; Sequence 270785, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 270785
; LENGTH: 618
; TYPE: DNA
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ORGANISM: Human
10-027-632-270785
Query Match 2.3%; Score 102; DB 13; Length 618;
Best Local Similarity 71.2%; Pred. No. 2.3e-17;
Matches 151; Conservative 0; Mismatches 55; Indels 6; Gaps 1;
523 CACCCAGGTCCTGCTGCAGAACAGGGCTGGCAGAGCTAGAACAGCTGTGGCTCAGGG 582
227 CCACAGGTCCTGCTGCAGAGCAGGGCTGGCAGCGCTGGAGGAGCTCCGGGACGCA 168
583 GGCTCACAGGCTCTCACTCTGCAGCGTGGCTCCAGCTGTATCACCCGCGAGG 642
167 GGCTCCAGGCTCTGCTCACTCTGCAGCGTGGCTCCAGCTGTATCACCCGCGAGG 108
643 CTTCCGCTCTCTCCCGGATGAGCTGTGTGGTGGCTCCAGCGCAGGAAGGATA 702
107 C-----GTCTGCCCGGATGAGCTGTGTGGTGGCTCCAGCGCAGGTCTGCGAG 54
703 TCTCCAGCGGAGTGTGAGCTCTGGGACAGCTGA 734
53 CGTTGGAGCGGCTGAAGTGGTGGGTGA 22

SUBMIT 10
09-918-995-362/c
Sequence 362, Application US/09918995
Publication No. US20030073623A1
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
FILE REFERENCE: 20411-756
CURRENT APPLICATION NUMBER: US/09/918,995
CURRENT FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: US/09/235,076
PRIOR FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 362
LENGTH: 482
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(482)
OTHER INFORMATION: n = A,T,C or G
-09-918-995-362

Query Match 2.3%; Score 99.6; DB 11; Length 482;
Best Local Similarity 80.1%; Pred. No. 9.4e-17;
Matches 117; Conservative 0; Mismatches 29; Indels 0; Gaps 0;
3712 CAGTATGTGAAGTCTCTGACCTGAGTGCAGGGCAGATCCACCTGGAGCTGCTT 3771
355 CAGCTTGGCGAGTCTGGTGTGGAGTCCCGGGCGCTCCACCTGGAGCTGCTACT 296
3772 GAAGAATGACAGCTGATCTATGCACAGCTGTGGCGAGGCCATCAAGGCCATGTGGA 3831
295 GAAGAGCGAGCAGCTGTGTGTGCACAGCGCCGCAAGGCCATCGAGCGCTGTTGA 236
3832 TCTATTCTGAGTGAATCTAGGAAGG 3857
235 GCTATTCTGAATGAGCTTAAGAAGG 210

SUBMIT 11
-09-864-761-7087/c
Sequence 7087, Application US/09864761
Patent No. US2002048763A1
GENERAL INFORMATION:
APPLICANT: Penn. Sharron G.
APPLICANT: Rank, David R.

APPLICANT: Harzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
FILE REFERENCE: Aomic-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263,6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Arimaax Sequence Listing Engine vers. 1.1
SEQ ID NO 7087
LENGTH: 526
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO ACC19214.2
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.4
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.3
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.8
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5
US-09-864-761-7087

Query Match 2.0%; Score 89.4; DB 9; Length 526;
Best Local Similarity 86.1%; Pred. No. 5.9e-14;
Matches 99; Conservative 0; Mismatches 16; Indels 0; Gaps 0;
QY 3855 AGGACTCCGGTATGTCATCCGCTGCCAGCTACATCACCGATCAACAATAGCTCTCTCA 3914
DB 415 AGGACTCCGGTATGTCATCCGCTGCCAGCTACATCACTGACAACTGCAGCTCTCTCA 356
QY 3915 GTTTCACCGTGGGACCTCAATTAGTTACTGCCAGTGAACGCTCTGGAACGAG 3969
DB 355 GCTTCACCGTGGGACCTCACTCAAGCTGCTGCCGCTGCCACCTCTGGAGCCAGG 301

RESULT 12

US-09-864-761-23818/c
; Sequence 23818, Application US/09864761
; Patent No. US20020348763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wersheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 63/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263,6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 4917
; SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
; SEQ ID NO 23818
; LENGTH: 170
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC019214.2
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.4
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5
; OTHER INFORMATION: SWISSPROT HIT: AV649878.1, EVALUATION 5.00e-91
; OTHER INFORMATION: EST HUMAN HIT: P05895, EVALUATION 1.00e+00
; OTHER INFORMATION: NT HIT: G11426247, EVALUATION 1.50e+00
US-09-864-761-23818

Query Match 1.7%; Score 75.2; DB 9; Length 170;
Best Local Similarity 79.5%; Pred. No. 2.8e-10;
Matches 89; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

QY 3969 GCTGGCAGTTTCGGTTCTGCGGGGGCGCTCCGACTCTTTCCGATGACGTGTGTCGAC 4028
|||||
DB 170 GCTGGCAGTTTGGCTCTGCGGGGGCGCTCCGACTCTTTCCGATGACGTGTGTCGAC 111
|||||
QY 4029 CAGCTGCTGCCCCGAGCTCTCTTTCCCTGGGAAAGAGACAGCTGCGCA 4080
|||||
DB 110 CGCTGCGCTCCCGACTTTCTTCTTCCAAGGAGCAGAGAGTGGCTGCGCA 59
|||||

RESULT 13

US-10-175-523-130
; Sequence 130, Application US/10175523
; Publication No. US20030096264A1
; GENERAL INFORMATION:
; APPLICANT: Brockman, Jeffrey
; APPLICANT: Evans, David
; APPLICANT: Hook, Derek
; APPLICANT: Klimczak, Leszek
; APPLICANT: Laeng, Pascal
; APPLICANT: Palfreyman, Michael
; APPLICANT: Rajan, Priithi
; TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)
; FILE REFERENCE: 3235/1J795-US3
; CURRENT APPLICATION NUMBER: US/10/175,523
; CURRENT FILING DATE: 2002-06-18
; PRIOR APPLICATION NUMBER: US 60/299,151
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: US 60/317,828
; PRIOR FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: US 60/325,150
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/333,047
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US 60/349,936
; PRIOR FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: US 60/361,834
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 130
; LENGTH: 7718
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-175-523-130

Query Match 1.5%; Score 64.6; DB 14; Length 7718;
Best Local Similarity 48.7%; Pred. No. 9.3e-07;
Matches 206; Conservative 0; Mismatches 214; Indels 3; Gaps 1;

QY 2 GCTGGAGCTGTACCTACCGTGCACAAAGTTTATAACAGAAACAGGGCCACCTGGAC 61
|||||
DB 1801 GCTGGAGAGGTGCAATATATGATGTCGAGGTATCTTGGAGAGAACAGAGATACATTTCGA 1860
|||||
QY 62 CCCGCTGTCTGGAGATGCTCAGCAGCAGCAGCTGCGAGGTGACCTAGCTTCTCTTTCAG 121
|||||
DB 1861 GATGACCTTCTCAATTTGCTAAGAGAAAGCGGATTTGACTTTATCTACGATCTTTTGA 1920
|||||
QY 122 CTGATGGGCGAGCTGTCTCCAAAGAGAGAGCCCGAGCTGGAGTACAGCAAAACCAACCC 181
|||||
DB 1921 CATGTTTCAAGCCGCAACACAGGATACCTTGAATGTGGAGCAACATCGCGGCT 1980
|||||
QY 182 ACATTGGCTCTCGATTCCAGCAGACCTCGGTGACTTGCTAGCTCGCTAGGAGCAGG 241
|||||
DB 1981 ACAGTCAGCTCACAGTTCAGAGGACTCACTGATTTCTTAATGCAACGCTAAGCTCTCT 2040
|||||
QY 242 GGCCATGCTACGTCATCCGACTGTCTCAATCCACCCCTCGAAGATCCCGAGGCTTTG 301
|||||
DB 2041 AATCCTTTCT---TTGTTGCTGTATCAAGCAAAACATGCAAGATGCCAGACCACTTT 2097
|||||
QY 302 GACGTGGGCGATGTGGCAGAGCAGCTGCTCAGCTGGCATCTCTGGAGATCATAGGCACC 361
|||||
DB 2098 GACCAGGCGGTGTGCTGACACAGCTCGGTACTCTCAGGATGCTGGAGATCTGTGAGATC 2157
|||||

362 CGAGTACCACTTCCCGTGGAGTGTCTTCAAGTCTTTCTGGCAAGTTCATGCC 421
|||
2158 CGAAAGCTGGGTATGCGTCCGAAGACCTTTCCAGGACTTTTACAAAAGGTATAAAGT 2217
|||
422 CTG 424
|||
2218 CTG 2220

SULT 14
-10-021-660-54
Sequence 54, Application US/10021660
Publication No. US20030152926A1
GENERAL INFORMATION:
APPLICANT: Murray, Richard
APPLICANT: Glynn, Richard
APPLICANT: Watson, Susan R.
APPLICANT: EOS Biotechnology, Inc.
TITLE OF INVENTION: No. US20030152926A1el Methods of Diagnosis of Angiogenesis,
TITLE OF INVENTION: Compositions and Methods of Screening for Angiogenesis
TITLE OF INVENTION: Modulators
FILE REFERENCE: 018501-000710US
CURRENT APPLICATION NUMBER: US/10/021.660
CURRENT FILING DATE: 2001-12-06
PRIOR APPLICATION NUMBER: US/09/784,356
PRIOR FILING DATE: 2001-02-14
PRIOR APPLICATION NUMBER: US 09/637,977
PRIOR FILING DATE: 2000-08-11
NUMBER OF SEQ ID NOS: 135
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 54
LENGTH: 7787
TYPE: DNA
ORGANISM: Homo sapiens
-10-021-660-54

Query Match 1.5%; Score 64.6; DB 12; Length: 7787;
Best Local Similarity 48.7%; Pred. No. 9.3e-07;
Matches 206; Conservative 0; Mismatches 214; Indels 3; Gaps 1;
2 GCTGGGACTGTCACTACCAAGTGCACAAGTTTCATAACAGAAACAGGGCCACCTGGAC 61
|||
1870 GCTGGAGAGTGCAATATGATGTCGAGGTATCTTGGAGAGACAGATACATTTCGA 1929
|||
62 CCCGCTGTGCGAGATGCTCAGGACAGCCAGCTGCAGGTGACCTTCCCTTTTCAG 121
|||
1930 GATGACCTTCTCAATTTGCTAAGAGAAAGCCGATTTCGACTTTATCTACGATCTTTTGA 1989
|||
122 CTCATGGGACCTGTTCCAGAAAGCAGAGCCCGAGCTGGGACTGGAGCAACAAACACC 181
|||
1990 CATGTTTCAGCCGCAACACAGATACCTTGAAATGTGGAGCAACATCGCGGCGCT 2049
|||
182 ACATTGGCTCTCGATTCCAGCAGACCTTGAGTGTCTAGCTCGGCTAGGACGAGG 241
|||
2050 ACAGTCAGCTCACAGTTCAAGGACTCACTGATTCCTTAATGGCAACGCTAAGCTCTCT 2109
|||
242 GGCGATGTCTACGTATCCATCTGTCTCAATCCACCCCTCGAAAGATCCAGGCTCTTG 301
|||
2110 AATCCTTTCT---TTGTTGCTGTATCAAGCAAAACATGCAGAAAGATGCCAGACAGTTT 2166
|||
302 GACGTGGGCGATGTGGCAGACAGCTGGTCAGCTGGATCTCTGGAGATCATAGGCACC 361
|||
2167 GACCAGGCGGTTGTGCTGAACACAGCTGGGTACTCTCAGGATGCTGGAGACTGTGAGAATC 2226
|||
362 CGGAGTACCACTTCCCGTGGAGTGTCTTCAAGTCTTTCTGGCAAGTTCATGCC 421
|||
2227 CGAAAGCTGGGTATGCGTCCGAAGACCTTTCCAGGACTTTTACAAAAGGTATAAAGTG 2286
|||
422 CTG 424
|||
2287 CTG 2289

RESULT 15
US-09-815-379-9
; Sequence 9, Application US/09815379
; Publication No. US20030073613A1
; GENERAL INFORMATION:
; APPLICANT: RASTELLI, LUCA
; APPLICANT: GERRITSEN, MARY
; TITLE OF INVENTION: ANGIOGENESIS ASSOCIATED PROTEINS AND NUCLEIC ACIDS
; TITLE OF INVENTION: ENCODING THE SAME
; FILE REFERENCE: 10716/35
; CURRENT APPLICATION NUMBER: US/09/815,379
; CURRENT FILING DATE: 2001-03-22
; PRIOR APPLICATION NUMBER: 60/132,134
; PRIOR FILING DATE: 2000-03-22
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 9
; LENGTH: 6171
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-815-379-9

Query Match 1.3%; Score 58.2; DB 11; Length 6171;
Best Local Similarity 46.1%; Pred. No. 4.7e-05;
Matches 195; Conservative 0; Mismatches 228; Indels 0; Gaps 0;
QY 2 GCTGGGACTGTCACTACCAAGTGCACAAGTTTCATAACAGAAACAGGGCCACCTGGAC 61
|||
Db 1642 GCTGGAGAGTGCATATGATGTCGAGGTATCTTGGAGAGACAGATACATTTCGA 1701
|||
QY 62 CCCGCTGTGCGAGATGCTCAGGACAGCCAGCTGCAGGTGACCTTCCCTTTTCAG 121
|||
Db 1702 GATGACCTTCTCAATTTGCTAAGAGAAAGCCGTTGACTTTATCTACGATCTTTTGA 1761
|||
QY 122 CTCATGGGACCTGTCTTCCAGAAAGCAGAGCCCGAGCTGGGACTGAGCAAAACAAACCC 181
|||
Db 1762 CATGTTTCAGCGCGCAACACAGGATACCTTGAATGTGGAGCAACATCGGCGCT 1821
|||
QY 182 ACATTGGCTCTCGATTCCAGCAGACCTTGGGTGACTTGTCTAGCTGGCTAGGACGAGG 241
|||
Db 1822 ACAGTCAGCTCACAGTTCAGGTTGACTCACTGCTTCTTAATGGCAACGCTAAGCTCC 1881
|||
QY 242 GGCCATGTCTACGTATCCATCTGCTCAATCCACCCCTGGAAAGATCCAGGCTCTTG 301
|||
Db 1882 TCTAATCCTTCTTTGCTGCTATCAAGCCAAACATGCAGAAAGATGCCAGACAGTTT 1941
|||
QY 302 GACGTGGGCGATGTGGCAGAGCAGCTGCTGAGGTGGCATCTCGAGATCATAGGCACC 361
|||
Db 1942 GACCAGGCGGTTGTCTGAACAGCTGCTGGTACTCAGGATGCTGGAGACTGTGAGATC 2001
|||
QY 362 CGGAGTACCACTTCCCGTGGAGTGTCTTCCAGTCTTTCTGGCAAGTTCATGCC 421
|||
Db 2002 CGCAAGCTGGGTATGCGTCCGAAGACCTTTCCAGGACTTTTACAAAAGGTATAAAGTG 2061
|||
QY 422 CTG 424
|||
Db 2062 CTG 2064

Search completed: October 17, 2003, 04:22:26
Job time : 753.685 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: October 16, 2003, 15:57:50 ; Search time 268.319 Seconds
(without alignments)
10351.935 Million cell updates/sec

Title: US-09-803-126-2
Perfect score: 6293
Sequence: : cactggactgtcactacc.....aaaaaaaaaaaaaaaaaaaaa 6293

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:
1: /cgn2_6/prodata/2/ina/5A_COMB.seq:
2: /cgn2_6/prodata/2/ina/5S_COMB.seq:
3: /cgn2_6/prodata/2/ina/6A_COMB.seq:
4: /cgn2_6/prodata/2/ina/69_COMB.seq:
5: /cgn2_6/prodata/2/ina/PCBUS_COMB.seq:
6: /cgn2_6/prodata/2/ina/backfiles.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	55	0.9	7218	1	US-08-232-463-14
2	47.2	0.8	1656	4	US-09-252-93A-11216
3	46.8	0.7	364	3	US-08-905-223-162
4	46.2	0.7	4202	4	US-09-620-312D-1540
5	44.8	0.7	776	4	US-09-535-008-36
6	43.4	0.7	316	4	US-09-313-294A-6057
7	43	0.7	1357	4	US-09-668-680-3
8	43	0.7	2744	3	US-09-071-102-1
9	43	0.7	2744	3	US-09-369-618-1
10	43	0.7	2744	3	US-09-369-617-1
11	42.6	0.7	1538	4	US-09-205-258-193
12	42.4	0.7	71989	4	US-09-443-501A-2
13	42	0.7	1050	4	US-09-482-273-58
14	41.6	0.7	7218	1	US-08-232-463-14
15	41.4	0.7	4767	4	US-09-231-839-76
16	41	0.7	3489	2	US-08-728-123A-1
17	41	0.7	3489	4	US-09-298-568-1
18	41	0.7	3489	4	US-09-410-399-1
19	41	0.7	32207	2	US-08-770-179-20
20	41	0.7	32207	3	US-08-757-669A-20
21	41	0.7	32207	4	US-09-335-371A-20
22	40.8	0.6	68750	3	US-09-335-409-1
23	40.6	0.6	68750	4	US-09-568-102-1
24	40.8	0.6	68750	4	US-09-567-969-1
25	40.8	0.6	68750	4	US-09-568-480-1
26	40.8	0.6	68750	4	US-09-568-486-1
27	40.9	0.6	68750	4	US-09-568-472-1

C 28	40.8	0.6	68750	4	US-09-567-899-1	Sequence 1, Appli
C 29	40.8	0.6	4403765	3	US-09-103-840A-2	Sequence 2, Appli
C 30	40.8	0.6	4411529	3	US-09-103-840A-1	Sequence 1, Appli
C 31	40.6	0.6	6794	4	US-09-491-356C-2	Sequence 2, Appli
C 32	40.4	0.6	2773	4	US-09-996-243-178	Sequence 178, App
C 33	40	0.6	286	4	US-09-313-294A-5846	Sequence 5846, Ap
C 34	40	0.6	1905	4	US-08-252-991A-16307	Sequence 16307, A
C 35	40	0.6	2001	4	US-09-252-991A-15971	Sequence 15971, A
C 36	40	0.6	2074	4	US-08-630-915A-19	Sequence 19, Appl
C 37	40	0.6	2157	4	US-08-252-991A-16172	Sequence 16172, A
C 38	40	0.6	2269	4	US-09-394-645-1	Sequence 1, Appli
C 39	40	0.6	2269	4	US-09-243-560B-1	Sequence 1, Appli
C 40	40	0.6	3251	3	US-09-085-199B-6	Sequence 6, Appli
C 41	39.8	0.6	1069	4	US-09-205-258-74	Sequence 74, Appli
C 42	39.8	0.6	1150	1	US-08-161-406-1	Sequence 1, Appli
C 43	39.8	0.6	2943	4	US-09-404-879A-385	Sequence 385, App
C 44	39.8	0.6	3124	4	US-09-734-030-1	Sequence 1, Appli
C 45	39.8	0.6	4403765	3	US-09-103-840A-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 180C Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pTZgpt-F15
US-08-232-463-14

Query Match 0.9%; Score 55; DB 1; Length 7218;


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RESULT 4
US-09-620-312D-1040
; Sequence 1040, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyun
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Xu, Yundong
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 784C1P2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: P1_FL_genes Version 1.0
; SEQ ID NO 1040
; LENGTH: 4202
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CUS
; LOCATION: (217)..(3408)
US-09-620-312D-1040

Query Match
Best Local Similarity 53.8%; Score 46.2; DB 4; Length 4202;
Matches %; Conservative 0; Mismatches 83; Indels 0; Gaps 0;

QY 256 CATCCACTGTCTCAATCCACCCCTGGAAAGATCCAGAGCTCTTGGAGCTGGGGCATGT 315
Db GTCCGCTGATCAACCCCATGATCCAAAGAGCCGGCGCTTGGACGAGTCTGAT 2141
QY 316 GGCAGAGAGCTCGCTCAGCTGGCATCCGAGAGATAGGACCCGGAGTACCACTT 375
Db CCGCCACCAAGTGAAGTACCTGGGGTGTGGAAACCTGGCGGTGGCAGAGCGCGTT 2201
QY 376 CCCCGTGGAGTGTCTTCAAGTCTTCTGGCAAGTTCCATGGCTGGGTGAGGA 434
Db TGCTATCGCCGCAATACGAAGCTTCTCTGCAAGGTACAGTCACTGTGCCAGAGA 2260

RESULT 5
US-09-535-008-36
; Sequence 36, Application US/09535008
; Patent No. 6465629
; GENERAL INFORMATION:
; APPLICANT: Wong, Alexander K.C.
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.-F.
; TITLE OF INVENTION: BRG1 IS A TUMOR SUPPRESSOR THAT IS MUTATED IN PROSTATE
; FILE REFERENCE: 2318-259
; CURRENT APPLICATION NUMBER: US/09/535,008
; CURRENT FILING DATE: 2000-03-23
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; EARLIER APPLICATION NUMBER: U.S. 60/125,806
; EARLIER FILING DATE: 1999-03-23
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 36
; LENGTH: 776
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-535-008-36

Query Match
Best Local Similarity 47.3%; Score 44.8; DB 4; Length 776;
Matches 139; Conservative 0; Mismatches 157; Indels 0; Gaps 0;

QY 1075 GCGGTTAGTGGCAGAACCCCTCAGCAGGCTCTGGAGATCAACAGGGTGTATGTGCGGCT 1134
Db GCAGTGGCGGGCTTGTCTCTTCCCTCTACAGTCGCCAGAGGTGTGTGTGTCAT 327
QY 1135 CTTGGGGGAAGATCTCTGCAGTCTTGGCAAGAGCAGACCATGGGACGTTCTCTGTGCA 1194
Db GCGAGGGGACACAGCGCTGGAGACAGCCCTCAATGCTTAAGGCTTACAAAGCGCAGACG 387
QY 1195 GCAGGCCAGCGAGCGCGGAGCTCCGAGATGAGCTCTTTCAGCCAGCTGTGGCCAGCT 1254
Db CCAGTCCCTGCGGAGGCGCCGCTCACTGAGAGCTGGAGAGCAGCAGAGATCGAGCA 447
QY 1255 GTGGCGCAACCAGATGAGCAAGATCAGGTGGCTGGGCGCTTATGTGATCTCTGCT 1314
Db GGAGCGCAAGCGCGGAGAGCAGCAGGTACGCTCGGTGGGCCCAAGCCCTGCGAGCC 507
QY 1315 CAGCTCTTGTCTCCACAGCTGCCCTGGAGAGCCAGCTCTCAAAATTTCTATCTG 1370
Db GCGCCACCTGCTGCTGCTGCTTGTCCAGCGGTTGCCACGGGGCTGTGTTGCTTTG 563

RESULT 6
US-09-313-294A-6057
; Sequence 6057, Application US/09313294A
; Patent No. 6476212
; GENERAL INFORMATION:
; APPLICANT: Lalgudi, Raghunath V.
; APPLICANT: Ito, Laura Y.
; APPLICANT: Shertan, Bradley K.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
; FILE REFERENCE: PL-0017 US
; CURRENT APPLICATION NUMBER: US/09/313,294A
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 7600
; SOFTWARE: PERL Program
; SEQ ID NO 6057
; LENGTH: 316
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6476212 700351152H1
; NAME/KEY: unsure
; LOCATION: 45, 132, 142, 167, 172, 174, 193, 205, 217, 226, 258
; OTHER INFORMATION: a, t, c, g, or other
US-09-313-294A-6057

Query Match
Best Local Similarity 49.7%; Score 43.4; DB 4; Length 316;
Matches 95; Conservative 0; Mismatches 96; Indels 0; Gaps 0;

QY 2571 AGGAGTGGAGGACCGGAGGAGGAGGATGAGACCGCGAGTTGTCCCTCTCTCTC 2630
Db AGAAGCGCGCGCGAAGAAGGTGGCGGAGGAGGAGCCCTCGAGAGCGCGTCCGCGG 140
QY 2631 CCCCTCCCGGTTGTGAAGAGCGCTGAAGGCAAGCGCTCAAGCGCTGAAGGAAG 2690
Db ANAAGGCGCGCGGGAAGAAGCCNAGGNGNAGAGCGCTAACTGCGGNAAGTCCG 200
```

2691 ATGAGCAGAGCCGCCAGGAGAGTACCGACCCAGGCGGAGGATCCCGCGTGCACA 2750
201 CCGNATGAGCGCGNGACAAGANGGTAGGAAGAGGAGAGAGCGTGGAGANCT 260
2751 GCTCCAACTCC 2761
261 ACAAGATCTAC 271

SULT 7

-09-668-680-3/c

Sequence 3, Application US/09668680

Patent No. 6436703

GENERAL INFORMATION:

APPLICANT: Tang, Y. Tom

APPLICANT: Liu, Chenghua

APPLICANT: Zhou, Ping

APPLICANT: Asundi, Vinod

APPLICANT: Zhang, Jie

APPLICANT: Wang, Jian-Rui

APPLICANT: Xue, Aidong J.

APPLICANT: Xu, Chongjun

APPLICANT: Drmanac, Radjoje T.

TITLE OF INVENTION: No. 6436703el Nucleic Acids and

TITLE OF INVENTION: Polypeptides

FILE REFERENCE: 790CIP2A

CURRENT APPLICATION NUMBER: US/09/668,680

CURRENT FILING DATE: 2000-09-22

PRIOR APPLICATION NUMBER: 09/649,167

PRIOR FILING DATE: 2000-08-23

PRIOR APPLICATION NUMBER: 09/540,217

PRIOR FILING DATE: 2000-03-31

NUMBER OF SEQ ID NOS: 13

SOFTWARE: pt_FL_genes Version 2.0

SEQ ID NO 3

LENGTH: 1357

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (284;..(904)

-09-668-680-3

Query Match

Best Local Similarity 0.7%; Score 43; DB 4; Length 1357;

Matches 94; Conservative 0; Mismatches 85; Indels 0; Gaps 0;

442 AGCTGCTCTGACACGAGAGGTGTGGTGCATCTCAGTGAAGTGTGGGGCAGAGTC 501
|||||
689 AGCTGTCCCGCAGCAGGCGCCAGCGGTGACGGCAACAGGGTCCGTGCACGCTGTGC 630
502 ACCGCTGTATCATCTTGAGTCAACAGGTCCTGCTGCAGGAACAGGGTGGCAGAGCT 561
|||||
629 GGTTCAGCAGTCTTCGAGGGAACACAGGTAGTGCAGCAGGTACTTGTGTGGATGTGGA 570
562 AGACAGGTGTGGCTCAGCGGCGCTCAGAGGCGCTCTCAGTCTGACCGTGGCTCC 620
|||||
569 AGGAGCTGGAAGCAGAACTCTCAGCATGAGAAGCTCACACTGCACCATGCTGTCC 511

SULT 8

-09-071-101-1

Sequence 1, Application US/09071101

Patent No. 6013503

GENERAL INFORMATION:

APPLICANT: Lok, Si

APPLICANT: Jaepers, Stephen R.

TITLE OF INVENTION: HUMAN PROHORMONE CONVERTASE 4

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESS:

ADDRESSEE: ZymoGenetics, Inc.

STREET: 1201 Eastlake Avenue East

CITY: Seattle

STATE: WA
COUNTRY: USA
ZIP: 98102
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,101
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Parker, Gary E.
REGISTRATION NUMBER: 31,645
REFERENCE/DOCKET NUMBER: 97-05
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-442-6673
TELEFAX: 206-442-6678
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2744 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: Coding Sequence
LOCATION: 61...2325
OTHER INFORMATION:
US-09-071-101-1

Query Match

0.7%; Score 43; DB 3; Length 2744;

Best Local Similarity 52.5%; Pred. No. 1.1;

Matches 94; Conservative 0; Mismatches 85; Indels 0; Gaps 0;

QY 6115 GTGAGGGCCAAAGGCAAAAGTTGTGTACCTGGGAGAAATAGGCGAGACACATCCCTCTGG 6174
DB 2552 GAGCACCCCAAAAGCCAGGCGAAGTGGAGGCGAGAAACGTGACACTGTCCGCTCGG 2611
QY 6175 GTGCACTGCAACAGGAGTTGGGCAATTTGCTAGCCCCAGGAAATGCCCA 6234
DB 2612 CACCGCATCCCACTTCAGAGTTTGCATAAATGAAGTTGCTTAGAGGTGCAAAAAA 2671
QY 6235 GCTGAAAGCGGCGACAGTAAACACACCCAGGAAAAAAGAAAAAAGAAAAA 6293
DB 2672 AAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAA 2730

RESULT 9

US-09-369-616-1

Sequence 1, Application US/09369618

Patent No. 6100041

GENERAL INFORMATION:

APPLICANT: Lok, Si

APPLICANT: Jaepers, Stephen R.

TITLE OF INVENTION: HUMAN PROHORMONE CONVERTASE 4

FILE REFERENCE: 97-0502

CURRENT APPLICATION NUMBER: US/09/369,618

CURRENT FILING DATE: 1999-09-06

EARLIER APPLICATION NUMBER: US 09/071,101

EARLIER FILING DATE: 1998-05-01

EARLIER APPLICATION NUMBER: US 60/044,015

EARLIER FILING DATE: 1998-05-06

NUMBER OF SEQ ID NOS: 16

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 1

LENGTH: 2744

TYPE: DNA

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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: [61]...(2325)
US-09-369-618-1

Query Match
Best Local Similarity 52.5%; Pred. No. 1.1;
Matches 94; Conservative 0; Mismatches 85; Indels 0; Gaps 0;

QY 6115 GTGGAGGCCAAAGGCAAAAGTTGTGTACCTGGGAAATAGGACACACATCCCTCTGG 6174
DB 2552 GAGCACCCCAAGGCGGGAAGTGGAGGAGAGGACGACACTGTCGCGCTCGG 2611
QY 6175 GTGACTGCAACAGAGTTGGGCAATTTGCTGGTAGCCCGAGGAAATGCCACCCA 6234
DB 2612 CACCGCATCAACCTCAGAGTTGCAAAATAAGGTTGCTTAGAAGTGAAAAA 2671
QY 6235 GCTCGAAGCGGCACAGTAAACACCCCAAGGAAAAA 6293
DB 2672 AAAAAA 2730

RESULT 10
US-09-369-617-1
; Sequence 1, Application US/09369617
; Patent No. 6127162
; GENERAL INFORMATION:
; APPLICANT: Lok, Si
; APPLICANT: Jaspers, Stephen R.
; TITLE OF INVENTION: HUMAN PROHORMONE CONVERTASE 4
; FILE REFERENCE: 97-05D1
; CURRENT APPLICATION NUMBER: US/09/369,617
; CURRENT FILING DATE: 1999-08-06
; EARLIER APPLICATION NUMBER: US 09/071,101
; EARLIER FILING DATE: 1998-05-01
; EARLIER APPLICATION NUMBER: US 60/044,015
; EARLIER FILING DATE: 1998-05-06
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO:
; LENGTH: 2744
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: [61]...(2325)
US-09-369-617-1

Query Match
Best Local Similarity 52.5%; Pred. No. 1.1;
Matches 94; Conservative 0; Mismatches 85; Indels 0; Gaps 0;

QY 6115 GTGGAGGCCAAAGGCAAAAGTTGTGTACCTGGGAAATAGGACACACATCCCTCTGG 6174
DB 2552 GAGCACCCCAAGGCGGGAAGTGGAGGAGAGGACGACACTGTCGCGCTCGG 2611
QY 6175 GTGACTGCAACAGAGTTGGGCAATTTGCTGGTAGCCCGAGGAAATGCCACCCA 6234
DB 2612 CACCGCATCAACCTCAGAGTTGCAAAATAAGGTTGCTTAGAAGTGAAAAA 2671
QY 6235 GCTCGAAGCGGCACAGTAAACACCCCAAGGAAAAA 6293
DB 2672 AAAAAA 2730

RESULT 11
US-09-205-258-193
; Sequence 193, Application US/09205258
; Patent No. 6525174
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins

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; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/09/205,258
; CURRENT FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,881
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,880
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,896
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,020
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,876
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,895
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,884
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,894
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,971
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,882
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,899
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,893
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,900
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,901
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,892
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,915
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,019
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,970
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,972
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,916
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,373
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,875
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,374
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,917
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,949
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,974
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,883
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,897
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,898
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,962
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,963
; EARLIER FILING DATE: 1997-06-06

```


EARLIER APPLICATION NUMBER: 60/048,877
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,878
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/070,923
EARLIER FILING DATE: 1997-12-18
EARLIER APPLICATION NUMBER: 60/092,921
EARLIER FILING DATE: 1998-07-15
EARLIER APPLICATION NUMBER: 60/094,657
EARLIER FILING DATE: 1998-07-30
NUMBER OF SEQ ID NOS: 1227
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 193

LENGTH: 1538

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: SITE

LOCATION: (112)

OTHER INFORMATION: n equals a,t,g, or c

FEATURE:

NAME/KEY: SITE

LOCATION: (147)

OTHER INFORMATION: n equals a,t,g, or c

-09-205-258-193

Query Match 0.7%; Score 42.6; DB 4; Length 1538;
Best Local Similarity 58.5%; Pred. No. 1.1;
Matches 72; Conservative 1; Mismatches 50; Indels 0; Gaps 0;

6171 CTGGGTGACGTGCAACAGGAGTTGGGCAATTCCTGCTAGCCCCCAGGGAATGCCCA 6230

1397 CTGTGTTGAGTGTCCACAGGCTGGAGGAGTTCTCGCTGTCCACGTGAGTTTGATCA 1456

6231 CCCAGCTCGAAAGCGCCACAGTAAACACCCCAAGGAAAAAAGAAAAAAGAAAAA 6290

1457 GTAAACCAAGTGCAGSYTTGGCCAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAA 1516

6291 AAA 6293

1517 AAA 1519

SULT 12

-09-443-501A-2/c

Sequence 2, Application US/09443501A

Patent No. 630342

GENERAL INFORMATION:

APPLICANT: Kosan Biosciences, Inc.

APPLICANT: Julien, Bryan

APPLICANT: Katz, Leonard

APPLICANT: Khosla, Chaitan

APPLICANT: Tang, Li

APPLICANT: Ziermann, Rainer

TITLE OF INVENTION: Recombinant Methods and Materials for Producing

FILE OF INVENTION: Epithilone and Epithilone Derivatives

FILE REFERENCE: 30062-20031.00

CURRENT APPLICATION NUMBER: US/09/443,501A

CURRENT FILING DATE: 1999-11-19

PRIOR APPLICATION NUMBER: US 60/130,560

PRIOR FILING DATE: 1999-04-22

PRIOR APPLICATION NUMBER: US 60/122,620

PRIOR FILING DATE: 1999-03-03

PRIOR APPLICATION NUMBER: US 60/119,386

PRIOR FILING DATE: 1999-02-10

PRIOR APPLICATION NUMBER: US 60/109,401

PRIOR FILING DATE: 1998-11-20

NUMBER OF SEQ ID NOS: 22

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 2

LENGTH: 71989

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:
OTHER INFORMATION: Synthetic construct
US-09-443-501A-2

Query Match 0.7%; Score 42.4; DB 4; Length 71989;
Best Local Similarity 47.1%; Pred. No. 8.5;
Matches 164; Conservative 0; Mismatches 181; Indels 3; Gaps 1;

QY 569 CTGTGGGCTCAGCGGCTTCCACAGGCTTCTCCTCAGCTGTGACCGTGGCTTCCGAGCTGT 628

Db 44964 CTGGCTTGGCGAGCGAGCCACCGCAGTGGCCCTTGTTCGACCGCTGTGATCTC 44935

QY 629 ATACCGCGGAGCGCTTCT 588

Db 44904 CTCCAGAGGCGGCGACAGGATCGGGTCTGGGCTCATCTCATCAACAGCGTGGGGCCAC 44845

QY 689 GCCAGGAAGGATATCTCCAGCGGAGGTGAGCTCTGGGACAGCTGAACACCATTTCTCTA 748

Db 44844 TTCAGCAGCCTTCTGGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 44785

QY 749 GTGGCGCGGCT 808

Db 44784 GTAGTCTGCAACGAGCTCTGGGACCGGCAATCACTCCGCTCAGCGTCTGAGCGCATC 44727

QY 809 GGGGAGCCTTGGGGAAAGTGTCAATATGGACCTGGGTGGCTTAGAGATCCCGCCAG 868

Db 44726 -GGCACCAGCGCTCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGG 44668

QY 869 CTGGCTACTCTCTCTGGAGAGCGGAAAGCGGCGGCGGCGGCGGCGGCGGCGGCGG 916

Db 44667 CGGGTGGACCTCGCGGCTATGGCTGGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 44620

RESULT 13

US-09-482-273-58

Sequence 58, Application US/09482273

Patent No. 6534631

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: 71 Human Secreted Proteins

FILE REFERENCE: P2010P1

CURRENT APPLICATION NUMBER: US/09/482,273

CURRENT FILING DATE: 2000-01-13

EARLIER APPLICATION NUMBER: PCT/US99/15849

EARLIER FILING DATE: 1999-07-14

EARLIER APPLICATION NUMBER: 60/092,921

EARLIER FILING DATE: 1999-07-15

EARLIER APPLICATION NUMBER: 60/092,922

EARLIER FILING DATE: 1998-07-15

EARLIER APPLICATION NUMBER: 60/092,956

EARLIER FILING DATE: 1998-07-15

NUMBER OF SEQ ID NOS: 267

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 58

LENGTH: 1050

TYPE: DNA

ORGANISM: Homo sapiens

US-09-482-273-58

Query Match 0.7%; Score 42; DB 4; Length 1050;
Best Local Similarity 66.7%; Pred. No. 1.2;
Matches 60; Conservative 0; Mismatches 30; Indels 0; Gaps 0;

QY 6204 GCTGGCTAGCCCCCAGGAAATGCCACCCAGCTCGAAAGCGGCGGCGGCGGCGGCGG 6263

Db 956 GATCCTACCTCCCTGGCCCCCAATACATATCTGAGCAGCAAAAAAAGAAAAA 1515

QY 6264 AGGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAA 6293

Db 1016 AAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAA 1045

RESULT 14

```
US-08-232-463-14
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 330.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMWJ
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703/836-9300
; TELEFAX: 703/683-4103
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pTZgpt-Fls
; US-08-232-463-14

Query Match 0.7%; Score 41.6; DB 1; Length 7218;
Best Local Similarity 2.1%; Pred. No. 4.2;
Matches 8; Conservative 215; Mismatches 159; Indels 0; Gaps 0;

Qy 3026 TTCACACGGCTGTAGTTCCTCGACCTAAGCTCGAATGTTGTTGAGGCTTCCTTCATCC 3085
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1067 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1126

Qy 3086 ATCCAGAAAGAGGAGCCCTTCGGGACTTCTTGGGCGCATGTAGTCCAAACCCACCT 3145
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1127 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1186

Qy 3146 ACAGCTCCAGACCCCGCTCCACGACACTCCAGCCCTCTGTCTGGGAGCCCAAG 3205
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1187 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1246

Qy 3206 ACCCTTCAGTGGAGTCTACAGACCCATCGAGAGCCATGGAGGACGAACATCTCCACA 3265
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1247 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1306

Qy 3266 AAGCTCTGTGGCCTCGGAAGTGTGCTTCTCTATGCCAATGCACCCGGAAGTTG 3325
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1307 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1366

Qy 3326 TTCTAGCAAGGAGGTGTTCTACCCCGGAGAACTTCAGTCATCCACTGCCTCAGT 3385

US-09-231-899-76
; Sequence 76, Application US/09231899
; Patent No. 6566583
; GENERAL INFORMATION:
; APPLICANT: Lassner, Michael
; APPLICANT: Metz, James G
; APPLICANT: Facciotti, Daniel
; TITLE OF INVENTION: SCHIZOCHYTRIUM PKS GENES
; FILE REFERENCE: CGNE 131.02US
; CURRENT APPLICATION NUMBER: US/09/231,899
; CURRENT FILING DATE: 1999-01-14
; EARLIER APPLICATION NUMBER: 60/048,650
; EARLIER FILING DATE: 1997-06-04
; EARLIER APPLICATION NUMBER: 09/090,793
; EARLIER FILING DATE: 1998-06-04
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO: 76
; LENGTH: 4767
; TYPE: DNA
; ORGANISM: Schizochytrium aggregatum
; US-09-231-899-76

Query Match 0.7%; Score 41.4; DB 4; Length 4767;
Best Local Similarity 49.1%; Pred. No. 3.8;
Matches 137; Conservative 0; Mismatches 141; Indels 1; Gaps 1;

Qy 3140 CCACCTACAGCTCCAGGACCCCGCTCCACGACACTCCACCGCTCTGTCTGGGGAG 3199
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 2999 CCCGTGCGCGCGCTCTCTCCCGCGCTCTGTGGCTCTCTCGGCTCGAGCGCA 3058

Qy 3203 CCCAAGACCCCTTCAGTGGAGTCTCATGCTTGACAGAGCCCATGGAGGACAAACATC 3259
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 3059 CGGCTCGAGCGCGCTGTGCTTCGGCC-CGGCCAGACCATCGACCTCAAGAGCTC 3117

Qy 3269 TCCACAAAGCTCTGTGCGCTCTCGAAGTGTGTGCTTCTCTATGCCAATGCACCTGG 3319
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 3118 AAGCCGAGCTCTCGAGCTCGATGCCCGCTCTACCTCTCGAGGACCCGACGCGGC 3177

Qy 3320 AAGTTGTTTACGCAAGGAGGTGTTCTACCCCGGAGAACTTCAGTCATCCATCTGC 3379
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 3178 CAGCTCAAGAAGACACACGAGCTGGCTTCGGCCAGGACCATCTGTGAGCCCTGCAG 3237

Qy 3380 CTCAGTCTCTCTCTGCGAGCAGATCTGCGGGACACCTTC 3418
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 3238 CTCGCGACCTCGGTGACCGCTCTTCATGGAGACCTAC 3276

Search completed: October 16, 2003, 17:06:14
Job time : 277.319 secs
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GenCore version 5.1.6
 Copyright (c) 1993 - 2003 CompuGen Ltd.

CM nucleic - nucleic search, using sw model

Run on: Oct-08-16, 2003, 15:57:50 ; Search time 156.54 Seconds
 (without alignments)
 10351.935 Million cell updates/sec

Title: US-09-803-126-3
 Perfect score: 4375
 Sequence: : CGCTGGGAGCTGACCTACC.....aaaaaaaaaaaaaaaaaaaaa 4375

Scoring table: IDENTITY_NJC
 Gapop 10.0 , Gapext 1.0

Searched: 569578 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Database : Issued Patents NA: *

- 1: /cgn2_6/prodata/2/na/5A_COMB.seq:*
- 2: /cgn2_6/prodata/2/na/5B_COMB.seq:*
- 3: /cgn2_6/prodata/2/na/6A_COMB.seq:*
- 4: /cgn2_6/prodata/2/na/6B_COMB.seq:*
- 5: /cgn2_6/prodata/2/na/PCTUS_COMB.seq:*
- 6: /cgn2_6/prodata/2/na/backfiles.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	55	1.3	7218	US-08-232-463-14	Sequence 14, Appl
2	47.2	1.1	1656	US-09-252-991A-11216	Sequence 1, Appl
3	46.8	1.1	364	US-08-905-223-162	Sequence 162, App
4	46.2	1.1	4202	US-09-623-312D-104C	Sequence 104C, App
5	44.8	1.0	776	US-09-535-008-36	Sequence 36, Appl
6	43.4	1.0	316	US-09-313-294A-6057	Sequence 6057, Ap
7	43	1.0	1357	US-09-668-680-3	Sequence 3, Appl
8	42.4	1.0	71989	US-09-443-501A-2	Sequence 2, Appl
9	42	1.0	3073	US-09-620-312D-279	Sequence 279, App
10	41.6	1.0	7218	US-08-232-463-14	Sequence 14, Appl
11	41.4	0.9	4767	US-09-231-899-76	Sequence 76, Appl
12	41	0.9	3489	US-08-728-323A-1	Sequence 1, Appl
13	41	0.9	3489	US-09-298-568-1	Sequence 1, Appl
14	41	0.9	3489	US-09-410-399-1	Sequence 1, Appl
15	41	0.9	32207	US-08-770-379-20	Sequence 20, Appl
16	41	0.9	32207	US-08-757-669A-20	Sequence 20, Appl
17	41	0.9	32207	US-09-230-37A-20	Sequence 20, Appl
18	40.8	0.9	68750	US-09-335-409-1	Sequence 1, Appl
19	40.8	0.9	68750	US-09-568-102-1	Sequence 1, Appl
20	40.8	0.9	68750	US-09-567-969-1	Sequence 1, Appl
21	40.8	0.9	68750	US-09-568-480-1	Sequence 1, Appl
22	40.8	0.9	68750	US-09-568-486-1	Sequence 1, Appl
23	40.8	0.9	68750	US-09-568-472-1	Sequence 1, Appl
24	40.8	0.9	68750	US-09-567-899-1	Sequence 1, Appl
25	40.8	0.9	4403765	US-09-103-840A-2	Sequence 2, Appl
26	40.8	0.9	4411529	US-09-103-840A-1	Sequence 1, Appl
27	40.6	0.9	6794	US-09-491-356C-2	Sequence 2, Appl

Query Match 1.3% Score 55; DB 1; Length 7218;

US-08-232-463-14/C

Sequence 14, Application US/08232463

Patent No. 5670367

GENERAL INFORMATION:

APPLICANT: DORNER, F.

APPLICANT: SCHEIFLINGER, F.

APPLICANT: PALMER, F. G.

TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS

NUMBER OF SEQUENCES: 52

CORRESPONDENCE ADDRESS:

ADDRESSEE: Foley & Lardner

STREET: 1800 Diagonal Road, Suite 500

CITY: Alexandria

STATE: VA

COUNTRY: USA

ZIP: 22313-0299

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/232.463

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/07/935.313

FILING DATE:

APPLICATION NUMBER: EP 91 114 300.6

FILING DATE: 26-AUG-1991

ATTORNEY/AGENT INFORMATION:

NAME: BENT, Stephen A.

REGISTRATION NUMBER: 29,768

REFERENCE/DOCKET NUMBER: 30472/114 IMMU

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703)836-9300

TELEFAX: (703)683-4109

TELEX: 999149

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:

LENGTH: 7218 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

CLONE: p7zgt-Fls

US-08-232-463-14

ALIGNMENTS

RESULT 1

US-08-232-463-14/C

Sequence 14, Application US/08232463

Patent No. 5670367

GENERAL INFORMATION:

APPLICANT: DORNER, F.

APPLICANT: SCHEIFLINGER, F.

APPLICANT: PALMER, F. G.

TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS

NUMBER OF SEQUENCES: 52

CORRESPONDENCE ADDRESS:

ADDRESSEE: Foley & Lardner

STREET: 1800 Diagonal Road, Suite 500

CITY: Alexandria

STATE: VA

COUNTRY: USA

ZIP: 22313-0299

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/232.463

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/07/935.313

FILING DATE:

APPLICATION NUMBER: EP 91 114 300.6

FILING DATE: 26-AUG-1991

ATTORNEY/AGENT INFORMATION:

NAME: BENT, Stephen A.

REGISTRATION NUMBER: 29,768

REFERENCE/DOCKET NUMBER: 30472/114 IMMU

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703)836-9300

TELEFAX: (703)683-4109

TELEX: 999149

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:

LENGTH: 7218 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

CLONE: p7zgt-Fls

US-08-232-463-14

Query Match 1.3% Score 55; DB 1; Length 7218;

[illegible][illegible]

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QY      2711 GAGAAAGTACCGGACCGAGCGAGGATCCCGCCGCTGCA 2746
      : : : : : : : : : : : : : : : : : :
Db      73  CGGTGGCTCCAGGCGACCGGACAGCAATCCGAGCAGCA 36

RESULT 3
US-08-905-223-162
; Sequence 162, Application US/089C5223
; Patent No. 6222029
; GENERAL INFORMATION:
; APPLICANT: Edwards, Jean-Baptiste D.
; APPLICANT: Duclert, Sylvain
; APPLICANT: Lacroix, Bruno
; TITLE OF INVENTION: 5' ESTS FOR SECRETED PROTEINS
; NUMBER OF SEQUENCES: 503
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Krocbe, Martens, Olson & Bear
; STREET: 501 West Broadway
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92101-3505
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Win95
; SOFTWARE: Word
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/905,223
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Israelser, Ned A.
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0196
; INFORMATION FOR SEQ ID NO: 162:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 364 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: DOUBLE
; TOPOLOGY: LINEAR
; MOLECULE TYPE: CDNA
; ORIGINAL SOURCE:
; ORGANISM: Homo Sapiens
; TISSUE TYPE: Brain
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: 56...271
; IDENTIFICATION METHOD: Von Heijne matrix
; OTHER INFORMATION: score 3.6
; OTHER INFORMATION: seq CTS:LQLYDASNS/EW
; US-08-905-223-162

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Db 40	TTGAGCTCCAGGCTAGATGCAGACCGAGTTTGACAGCGCGTGTGCTGAACGAGCTGCG	99		
QY 331	TCAGGCTGGGATCCTGGAGATCATAGGACCCGGAGTACCCATCTCCCGCTGGGAGTGC	390		
Db 100	GTACTCAGGAGTCTGGAGACTGTGAGATCCGCAAGCTGGGTATCCGCTCCGAGACC	159		
QY 391	CTTCCAAAGTCTTTTCGGCAAGGTTCCATGCCCTG	424		
Db 160	CTTTCAGGACCTTTTACAAAAGGTATAAGTGC	193		

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; EARLIER APPLICATION NUMBER: U.S. 60/125,806
; EARLIER FILING DATE: 1999-03-23
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 36
; LENGTH: 776
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-535-008-36

Query Match      1.0%   Score 44.8; DB 4; Length 776;
Best Local Similarity 47.0%; Pred. No. 0.24;
Matches 139; Conservative 0; Mismatches 157; Indels 0; Gaps 0;

Qy 1075 GCGTTAGATGGCAGAACCTTCAGCAGGCTCTGGAGATCAACAGGGTGTATGTCGGGCT 1134
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268 CAGTGGCGGGCTTGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 327
Qy 1135 CTTGGGGGAAGGATCTTCAGTCTCTGGCAGGAGCAGACCATGGGCACGTTCTCTCTGCA 1194
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328 GCGAGGGGACACGCGCTGGAGACAGCCCTCAATGCTTAAGGCTTACAAGCGCAGCAAGCG 387
Qy 1195 GCAGGCCACGACGCGCGGACTCCGAGATGAGCTCTTCAGCCAGCTGGTGGCCCGAGCT 1254
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388 CAGTCTCTCGCGAGCGCCGATCACTGAGAAGCTGGAGAAGCAGCAGAGATCGAGCA 447
Qy 1255 GTGGCGCAACCCAGATGAGCAACAGAAATCAGCGTGGCTGGGCCCTTAATGGTGTATCTCTGCT 1314
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RESULT 6
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; Sequence 6057, Application US/09311294A
; Patent No. 6476212
; GENERAL INFORMATION:
; APPLICANT: Lalugudi, Raghunath V.
; APPLICANT: Ito, Laura Y.
; APPLICANT: Sherman, Bradley K.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
; FILE REFERENCE: PL-0017 US
; CURRENT APPLICATION NUMBER: US/09/313,294A
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 7600
; SOFTWARE: PERL Program
; SEQ ID NO 6057
; LENGTH: 316
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6476212 700351152H1
; NAME/KEY: unsure
; LOCATION: 45, 132, 142, 167, 172, 174, 193, 205, 217, 226, 258
; OTHER INFORMATION: a, t, c, g, or other
; US-09-313-294A-6057

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Best Local Similarity 49.7%; Pred. No. 0.35;
Matches 95; Conservative 0; Mismatches 96; Indels 0; Gaps 0;

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; EARLIER APPLICATION NUMBER: U.S. 60/125,806
; EARLIER FILING DATE: 1999-03-23
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 36
; LENGTH: 776
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-535-008-36

Query Match      1.1%   Score 46.2; DB 4; Length 4202;
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Matches 96; Conservative 0; Mismatches 83; Indels 0; Gaps 0;

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2062 COTCCGCTGCATCAACCCCAATGATGCTCAACAGCGCGCGCTTTGACGAGTGCTGAT 2141
Qy 316 GGCAGAGCAGTGGCTGAGGTGGCATCTGGAGATGATAGCAGCCCGGAGTACCCACTT 375
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
2142 CCGCCACACAGTGAAGTACCTGGGCTGTTGGAAGAACTGGCGTGGCAGAGCGGGCTT 2201
Qy 376 CCCCCTGGAGTGTCTTCCAAAGTCTTGTGCAAGTCTTCAATGCCCTGGGCTCAGGGA 434
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2202 TGCCATCCGCCCAATACGAGCTTCTCTGCAAGGTACAACTCAGTCTGCCCCAGAGA 2260

RESULT 5
US-09-535-008-36
; Sequence 36, Application US/09535008
; Patent No. 6465629
; GENERAL INFORMATION:
; APPLICANT: Wong, Alexander K.C.
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.-F.
; TITLE OF INVENTION: BRG1 IS A TUMOR SUPPRESSOR THAT IS MUTATED IN PROSTATE
; FILE REFERENCE: 2318-259
; CURRENT APPLICATION NUMBER: US/09/535,008
; CURRENT FILING DATE: 2000-03-23
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: October 16, 2003, 16:49:23 ; Search time 1078.35 seconds
(without alignments)
15325.527 Million cell updates/sec

Title: US-09-803-126-2

Perfect score: 6293

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Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1750203 seqs, 1313063994 residues

Total number of hits satisfying chosen parameters: 3500406

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	6293	100.0	6293	9	US-09-803-126-2 Sequence 2, Appl1
2	4352	69.2	4375	9	US-09-803-126-3 Sequence 3, Appl1
3	1787.6	28.4	4174	9	US-09-803-126-5 Sequence 5, Appl1
4	1490	23.7	3780	9	US-09-803-126-7 Sequence 7, Appl1
5	913	14.5	1960	9	US-09-822-849A-265 Sequence 265, App
6	621.2	9.9	1247	10	US-09-764-868-145 Sequence 145, App
7	233.6	3.7	444	11	US-09-918-995-1723 Sequence 1723, Ap
8	168.8	2.7	458	11	US-09-918-995-10839 Sequence 10839, A
9	166.2	2.6	24757	10	US-09-764-868-1347 Sequence 1347, Ap
10	102	1.6	618	13	US-10-027-632-276785 Sequence 276785, App
11	99.6	1.6	482	11	US-09-918-995-362 Sequence 362, App
12	94.4	1.5	566	9	US-09-864-761-8013 Sequence 8013, Ap
13	92.2	1.5	233	9	US-09-864-761-24717 Sequence 24717, A
14	89.4	1.4	526	9	US-09-864-761-7087 Sequence 7087, Ap
15	75.2	1.2	170	9	US-09-864-761-23818 Sequence 23818, A
16	64.6	1.0	7718	14	US-10-175-523-130 Sequence 130, App

17	64.6	1.0	7787	12	US-10-021-660-54	Sequence 54, Appl
18	63.4	1.0	312	10	US-09-783-590-1780	Sequence 1780, Ap
19	62	1.0	3836	13	US-10-002-600-7	Sequence 7, Appl1
20	58.2	0.9	6171	11	US-09-815-379-9	Sequence 9, Appl1
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22	53.4	0.8	2338	13	US-10-027-632-103152	Sequence 103152, App
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31	52.6	0.8	6861	14	US-10-171-311-161	Sequence 161, App
32	52.6	0.8	6900	14	US-10-171-311-163	Sequence 163, App
33	52	0.8	7465	10	US-09-880-107-3357	Sequence 3357, App
34	51.8	0.8	7066	11	US-09-919-039-362	Sequence 362, App
35	49.4	0.8	4050	12	US-09-960-706-973	Sequence 973, App
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37	48.6	0.8	802	14	US-10-184-634-312	Sequence 312, App
38	47.4	0.8	145	10	US-09-783-590-3077	Sequence 3077, Ap
39	47	0.7	316	9	US-09-864-761-17473	Sequence 17473, A
40	47	0.7	436	9	US-09-864-761-686	Sequence 686, App
41	46.2	0.7	1024	12	US-10-177-191A-1	Sequence 1, Appl1
42	46.2	0.7	4202	14	US-10-037-270-1040	Sequence 1040, Ap
43	45.4	0.7	594	12	US-10-140-472-10	Sequence 10, Appl1
44	45.4	0.7	594	12	US-10-141-761-10	Sequence 10, Appl1
45	45.4	0.7	594	12	US-10-142-885-10	Sequence 10, Appl1

ALIGNMENTS

RESULT 1

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US-09-803-126-2
; Sequence 2, Application US/09803126
; Patent No. US20020099190A1
; GENERAL INFORMATION:
; APPLICANT: Brooks, Alan R.
; APPLICANT: Deng, Gary G.
; APPLICANT: Rubanyi, Gabor M.
; TITLE OF INVENTION: Estrogen-Regulated Unconventional Myosin-Related
; TITLE OF INVENTION: Protein: Compositions and Methods of Use
; FILE REFERENCE: 015303-00031005
; CURRENT APPLICATION NUMBER: US/09/803.126
; CURRENT FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: US 60/188,488
; PRIOR FILING DATE: 2000-03-10
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 6293
; TYPE: DNA
; ORGANISM: Mus sp.
; FEATURE:
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OTHER INFORMATION: Mouse myosin related protein (MRP) variant 1 cDNA

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Best Local Similarity	100.0%	Pred. No. 0;		
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DB 6241 AAGCGGCAACAGTAAACACCCCAAGGAAAAAAGGAAAAAAGGAAAAAAGGAAAAA 6295
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RESULT 2

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US-09-803-126-3
; Sequence 3, Application US/09803126
; Patent No. US20020639190A;
; GENERAL INFORMATION:
; APPLICANT: Brooks, Alan R.
; APPLICANT: Rubany, Gaber M.
; TITLE OF INVENTION: Estrogen-Regulated Unconventional Myosin-Related
; FILE REFERENCE: C15303-000310US
; CURRENT APPLICATION NUMBER: US/09/803126
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: US 60/188,488
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 3
; LENGTH: 4375
; TYPE: DNA
; ORGANISM: Mus sp.
; FEATURE:
; OTHER INFORMATION: Mouse myosin related protein (MRP) variant 2 cDNA
US-09-803-126-3
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Query Match 69.2%; Score 4352; DB 9; Length 4375;
Best Local Similarity 100.0%; Pred. No. 0;
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Db	1	CGCTGGGACTGT	CACCTTACCAGTGTGCAAGTTCAT	TAACAGAAACAGAGGGCCACCTTGG	60					
Qy	61	CCCGGCTGTGCTGGAGATGCTCAGG	CAGAGCCAGCTGTCAGGTGACCT	AGCCTTCTCTTCA	120					
Db	61	CCCGGCTGTGCTGGAGATGCTCAGG	CAGAGCCAGCTGTCAGGTGACCT	AGCCTTCTCTTCA	120					
Qy	121	GCTCATGGGAGCCCTGTTCCAAG	GAAGCAGAGCCCCAGGCTGGGACT	CAGCAAAACAAC	180					
Db	121	GCTCATGGGAGCCCTGTTCCAAG	GAAGCAGAGCCCCAGGCTGGGACT	CAGCAAAACAAC	180					
Qy	181	CACATTGGCCCTCGATTCCAGCAG	AGACCCCTGGGTGACTTGCCTAG	CTCGGTAGTGCAGCAG	240					
Db	181	CACATTGGCCCTCGATTCCAGCAG	AGACCCCTGGGTGACTTGCCTAG	CTCGGTAGTGCAGCAG	240					
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Db	241	GGGCCATGTCTAGTGTATCTCACT	TGTCTCAATCCACCCCTGGAAAGAT	CTCAGGCTCTT	300					
Qy	301	GGAGCTGGGSCATGTGGCAGAGCAG	TGGCTCAGGCTGGCATCTCGAGATCAT	AGGCAC	360					
Db	301	GGAGCTGGGSCATGTGGCAGAGCAG	TGGCTCAGGCTGGCATCTCGAGATCAT	AGGCAC	360					
Qy	361	CCGGAGTACCCACTTCCCCCTGGCAG	TGTCTTCCAAAGTCTTCTGGCAAG	TTCCATGC	420					
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Qy	421	CTTGGGGTCAAGGAGACAGAAAGT	GTGCTCTGACCCAGGAGAGTGTG	TGTCATCTCTCAG	480					
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Db	601	CATCTTGACCGTGGCTTCSAGCCT	GTATATCAACCGGACAGCGCTCG	TCTCTTGCCCG	660					
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Db	661	GATTCAGGCTCGTGTGGTGGGCT	TCAGGSCAGGACGATCTCTCAG	CGGAGGTGACG	720					
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Db	721	TCCTGGACAGCTGAACACCAAT	TCTCTCTAGTGGCCCGCCCTGCT	CTGGAGAGCAGAGAA	780					
Qy	781	GCTTACGGTGTGCCCTTGGCCCG	CACAGCGGGAGCCCTTGGGGAAAG	TGTCAAATATGGA	840					
Db	781	GCTTACGGTGTGCCCTTGGCCCG	CACAGCGGGAGCCCTTGGGGAAAG	TGTCAAATATGGA	840					
Qy	841	CTCTGGTTCGCTTAGAGATCCC	CGCCAGCTTGGTACTCTCTGCT	GGAGAGCGCGAAGCCCA	900					
Db	841	CTCTGGTTCGCTTAGAGATCCC	CGCCAGCTTGGTACTCTCTGCT	GGAGAGCGCGAAGCCCA	900					
Qy	901	CCAGGCCCTTCTGACCGGGAGCAT	CAGAGTCCCTGCCACCTGAGCT	CCCCCGCGGCC	960					
Db	901	CCAGGCCCTTCTGACCGGGAGCAT	CAGAGTCCCTGCCACCTGAGCT	CCCCCGCGGCC	960					
Qy	961	CAGCCTGACTCTCCCTCCAGACAT	TGACCAAGTTTCCCTTCTCCAG	TTTTTGTATCCACCAG	1020					
Db	961	CAGCCTGACTCTCCCTCCAGACAT	TGACCAAGTTTCCCTTCTCCAG	TTTTTGTATCCACCAG	1020					
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[illegible][illegible]

[illegible]

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Sequence 7, Application US/09803126
Patent No. US2002009190A1
GENERAL INFORMATION:
APPLICANT: Brooks, Alan R.
APPLICANT: Deng, Gary G.
APPLICANT: Rubanyi, Gabor M.
TITLE OF INVENTION: Estrogen-Regulated Unconventional Myosin-Related
FILE REFERENCE: 015303-0003107S
CURRENT APPLICATION NUMBER: US/09/803,126
CURRENT FILING DATE: 2001-03-09
PRIOR APPLICATION NUMBER: US 62/188,488
PRIOR FILING DATE: 2000-03-10
NUMBER OF SEQ ID NOS: 35
SOFTWARE: Patent In Ver. 2.1
SEQ ID NO 7
LENGTH: 3780
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: Partial DNA sequence for human myosin related
OTHER INFORMATION: protein variant 2 (HMRP2)
US-09-803-126-7

Query Match: 23.7%; Score 1490; DB 9; Length 3780;
Best local similarity 67.1%; Pred. No. 0;
Matches 2518; Conservative 0; Mismatches 810; Indels 422; Gaps 12;
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DB 4 CAGCAGAGCTCGGGCTCCGAGGTGGTCCAGGCTCAGCTCCAGCTCCAGCTCCAGCTCC 63
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DB 64 AAGGCCAAGAAGCTCTCTCCCTCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 123
QY 2417 GTGGCTTGAAG 2476
DB 124 GGTGCTCTGAG---GGAGAGCTCCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 180
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DB 241 ATGAAGCCCTCCAG 300
QY 2597 GAGGATGAG 2629
DB 301 GAGGAG 360
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DB 421 GCTGAGGCTGAGCAGCAG 446
QY 2750 AGCTCCAACTCCCGCTTGTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2809
DB 447 AGCGGCAAGAGGAG 506
QY 2810 AACTCCGCACTCCAG 2869
DB 507 GACTCCAG 566
QY 2870 CAG 2929
DB 567 CAG 626
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DB 627 CTGAGGAAATCGACCCCAAGGAGAGGCTCTGCCAAGCTGGGTATCAACGGTGGCCAC 686
QY 2990 TTGCGCTATTCGA---CATCGCTTAACCAAGGAGAGCTCTCCACCGGTGTAGTTCTT 3046
DB 687 TCGTCCCGCGGATGCTGTCTCCCGAGCCAGGAAAGGCGCCCGCGCAGCTGTGGTCTT 746
QY 3047 CGACTAAGGCTGACCTCTGTGTAGCTTCCCTATTCATCCAGGAAAGAGGAGGACCC 3106
DB 747 CGACCAAGGCGCGCTACAGCTTGGGCCCTCTAGCTTCCATCAAGGAAAGAGGAGGCG 806
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DB 807 CTTCTGAGCTGTGTGGC-----CAGAAGCTGCTATTGCCACACACACCCCACT 857
QY 3167 CCACGAGCTTCCACCGCTCTGTGTGGGAGCCCAAGACCCCTTCAGTGGAGTCTCAT 3226
DB 858 CCACGAGGCACTGCTCTGTCCCGAGGACCCAGGAGCCCTTTCAGCAGAGAGCTGT 917
QY 3227 GCCTTGACAGGCGCATGGAGGACAAAGACATCTCCACAAAGCTCTTGTGCTCTGGA 3286
DB 918 TCGTTCACAGGCGGTGGAGGACAGGGGTCTCCACCCAGCTACTCCGCGCTCTGCG 977
QY 3287 AGTGTGCTCTCTATGCCAATGCACCTGGAGTGTCTTACGCAAGGAGGTGTTT 3346
DB 978 AGCTGTGCTCTCTACACCGGACGCTCTGGAAGTGTCTTACGCAAGGAGGTGTT 1037
QY 3347 TACCCCGGAGAACTTCAGTTCATCTACTGCTCTCTCTCTCTCTCTCTCTCTCTCT 3406
DB 1038 TACCCCGGAGAACTTCAGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1097
QY 3407 CGGACACTTCACAGAGTCTGACCCGATCTCAGAGATGAGGCGCAAAATGAAA 3466
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QY 3467 GGCCTTCTGGAGACTTGGAGGTGAGTCTGAGACCTTCTGACATTTTGAAGCAGATC 3526
DB 1158 GACCTGTGGAGGCTTGGAGGTGAGCTGATTTCTCTACCAACCCAGGAGAGCGTC 1217
QY 3527 AAAAAAGCATCTGTGTCTGGGCAACTGGGCAACTTCTCTCTCTCTCTCTCTCTCT 3586
DB 1218 AAGAGGCGATCTGTGTGGCGCTCGGCAACTTGGGCAACTTCTCTCTCTCTCTCT 1277
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DB 1398 TCATACAGCTTTGGGAGGTGCTGGGTGTGGAGTGGCGGGCGGCTCCACCTGGAGCTG 1457
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1698 TTTCTCCGACATAGTGCAGCCGGCTGCCGCTCCCGACTTTTCTCTTCCAAAGGAGCAG 1757
4067 AGAAACAGCTGGCAACGCAAGAGTAAGCTGGGGCCAGCTCAGGAGGTGAGGAAGACAGAA 4126
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4127 GAGGTGAAGTATACAGCCCTAACTTTGAGACTGAGAAAGAGAGAGGGTGTCTTCGG 4186
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1785 ----- 1784
4247 CTGTACTTTTGGCCATTGTGAGACTGTGAAGTCACACCCCTTAACCTCTGGTACTTAGTTC 4306
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4307 AGTGTCTCCATAGAGATGCTTAATAATAAATACCTTTGTTTCTGTGTTTCTGTGTCACT 4366
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1785 ----- 1784
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4487 AGAAACAAAGAACCCAGTGAAGACTGGAGGCCACTCTTTTCAACCTACAGCTCTTTG 4546
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4547 TCT---GCCGACCCCACTACACCATGAGGAATTTGCCCTGGCTATTTCCGGAG 4603
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4604 CTTATACCTGGCTGACCCAGATGAGTGAAGACACCAAGAGAAGCTGGCATCAAGCTG 4663
1965 TCCAGGCTTGTCTGGGCAGACTCATGGGTGGCGAGGAAGGACAGGACAGCTG 2024
4664 ATCCAGTACACTAAGGACCCCATCAGGAATTTCCCTTACAGCTTCTGCATGGGACACA 4723
2025 GTSCAGTACACCAAGGCTCCCATCAGGAGTGTCTCTCAGCT---CAGTGATGATGTG 2081
4724 AACAGTAAAGCTGTGGCTTCAAGGCTCTGATGACAGTTTATGGGGGACAGCCTAAG 4783
2082 AGCAAGCTGGCTGTAGCCAGCTTCTGGCCCTGATGCGGTTTATGGGTGACCACTCCAG 2141
4784 CCCCCGGGCAAGGACGAGTGTCTCTATGAGCTGTGAGAGCTGTG---CAAGAT 4840
2142 CCCCCGGGCAAGGATCAGATGATCTGTCTATGAATGCTSAAGCTGTGCGCAGGAG 2201
4841 GACCTTAGGGACGAGTACTGCCAGGTCTATCAGCAAGTCAAGAGACACCCCAAGCA 4900
2202 AAGCTGAGGATGAGATTACTGCCAGGTTATCAAGAGGTTCAAGAGACACCCCGCCG 2261
4901 AAGCACTGTGTCTGGGCTGGAGCGCTCTCAGCCCTTTTACAGGCTTTCTTGGACCATCG 4960
2262 GAACACTGCACTCGAGGCTGGAGCTTCTCAGCCCTTCACAGGCTTCTTCCCCCGCTG 2321
4961 ACCAGCTGATGCCCTATGTGACCAAGTCTCTGCAGGATTCAGCCCTCAGTGAAGATTG 5020
2322 ACCAGCTGATGCCCTATGTGACCAAGTCTCTGCAGGATTCAGCCCTCAGTGAAGATTG 2381
5021 GCCAGGAGGACGAGGACCTCCAGGCGACAGTTAAATATGGGGGACGCGCAGCAGCTG 5080
2382 GCCCGAGGACGAGGACCACTCCAGGCGACAGTCAAAATATGGGGGCGCGCGGATG 2441
5081 CGGTTACCTGGTGAATGAATCTTTCTGAAAGGGCAGGAGTGTGTTTCTTCTTAAT 5140
2442 CCCCCACCGGTTGAATGAAGCTTTCTGAAAGGACAGGATTCGCGCTGCTTCTTATT 2501

5141 CACCTGCTGGGGTGTGGACTACAGGACGAATTCACAGACTTCACAGTGGCAGGGGAA 5200
2502 CACCTGCGGGGGTGTGGATTAAGGACGAATATCCAGACTTTTCAAGTAGCAGCAGAA 2561
5201 GTGTAGAGGAGCTGTGTGGACAGATGGGCATCACAGACTTGGGAAGTGCAGGAATT 5260
2562 GTGAGGAGGAGCTGTGGCGCAATGGTATACGGAGCTCAGGAAGTGCAGGAATT 2621
5261 GCCCTTTCTCATCAAGAGAGAGCTCAGCTGTGGCGGTGTCAACCCATGAGTAC 5320
2622 GCCCTTTCTCATCAAGAGAGAGCTGTGGCGGTGTGGCGGTGTGGCGGTGTGGCGGT 2681
5321 ATCAACAATTTGGTACGAGCAGGACATGAGCTTTACAGCCCGAGCGCTTGGTTGGAG 5380
2682 CTCACAGCGTGTGAGTGAACAGGAGCTGAGCTGCACAG-CGGCGGCTCCACTGGAG 2740
5381 ACTCACTGCTATTTGATCTACCTACAGGAAACCCACTATGGCCAGGCTTGG 5440
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2801 GACTACCTTCAAGGAGCTGCTGCTACAGGAGGAGGAGGAGGAGGAGGAGGAGG 2860
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5561 CTGCTTTATATTTCCAAAGGCTGCTGCTGAGGAGGAGGAGGAGGAGGAGGAGG 5620
2918 CTAGCTTACGTCGCAAGGAGCTGCTGCTGAGGAGGAGGAGGAGGAGGAGGAGG 2977
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2978 ATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3037
5681 ATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 5740
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5741 AGTAACTGCGGCTTCCCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 5800
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3158 ATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3217
5861 CACCTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 5920
3218 CACCTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3277
5921 GTTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 5980
3278 GCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3337
5981 ATCATCTTCTCTCTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 6010
3338 ACTGTCTTCTCTCTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3367

RESULT 5

US-09-822-849A-265
; Sequence 265, Application US/09822849A
; Patent No. US2002045170A1
; GENERAL INFORMATION:
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Agostino, Michael J.
; APPLICANT: Howes, Steven H.
; APPLICANT: Resnick, Richard J.

APPLICANT: Gulukota, Kamalak
APPLICANT: Grah, James R.
TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
FILE REFERENCE: GIN 403
CURRENT APPLICATION NUMBER: US/09/822,849A
CURRENT FILING DATE: 2001-09-04
PRIOR APPLICATION NUMBER: 60/295,582
PRIOR FILING DATE: 2000-04-06
NUMBER OF SEQ ID NOS: 598
SOFTWARE: Patent in Ver. 2.0
SEQ ID NO 265
LENGTH: 1960
TYPE: DNA
ORGANISM: Homo sapiens
US-09-822-849A-265

Query Match 14.5%; Score 913; DS 9; Length 1960;
Best Local Similarity 75.5%; Pred. No. 1.5e-240;
Matches 1190; Conservative 0; Mismatches 375; Indels 12; Gaps 4;
QY 4440 CTGGGGTGTACCAATTTCTGTCTCCAGCGGCCCACTCCAGGAAACAGAAC 4499
DB : CTCAGTGGACACAGGTTTCTGTGATCCAGCGCTCTGCCACCTTTGGAGCCAGGCAC 60
QY 4500 CCAGTGAAGACTCGGAGGCGACCTCTCTTACAACTACAGCT-...CTTGTCTGCGACC 4556
DB 61 ACAGTGAACACTCGGAGGCGACCGCTCTCTGTGCGCTATGCTTCTGCGCGACT 120
QY 4557 CCACAACTACACCATGAGGAAATTTGCGCTGCGCTATTTCCGAGGCTTATCTCTGCG 4616
DB 121 CCACAGCTACACCATGAGGAAATTTGCGCTGCGCTATTTCCGAGGCTTCTGCGCGACT 180
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DB 181 TGGGCGAGACTGATGAGGTGGCGAGGAAAGACACGAGAGCTGTGTGAGTACACCA 240
QY 4677 AGACACCCATCCAGGAAATCCCTTACAGCTTCTGCAATGGGAGACAAACAGTAAAGCTG 4736
DB 241 AGGCTCCATCCAGGAGTGGCTCTCAGCT-...CAGTGTATGTGAGCAAGCTGGCTG 297
QY 4737 TGGTGGCTCAAGGCTCTGATGAGTATTTAGGGAGCAGCTTAAGCCCGGGGCAAGG 4796
DB 298 TAGCCAGCTTCTGGCGCTGATGCGGTTTATGGGTGACCAAGTCCAGCCCGGGGCAAGG 357
QY 4797 ACAGCTGAGTCTGCTATGAGCTGCTGAAGCTGGCCAGATG-...ACCTTAGGAGC 4853
DB 359 ATGAGATGATCTGCTCTATGATCTGCTGAAGCTGGCCAGTGAAGAGCTGAGGGATG 417
QY 4854 AGATGTACTGCCAGGTATCAAGCAAGTACAGGACACCCAGGAGCAAGCAAGCTGTGCTC 4913
DB 418 AGATTTACTGCCAGGTATCAAGCAAGTACAGGACACCCAGGAGCAAGCAAGCTGTGCTC 477
QY 4914 TGGGCTGGAGCGTCTCAGCTCTTACAGGCTCTTTCACAGCTCTTTCACAGCTCTGATGC 4973
DB 478 GAGGCTGGAGCTCTTTCAGGCTCTTTCACAGCTCTTTCACAGCTCTGATGC 537
QY 4974 CCTATGTGACCAAGTCTCTGAGGATTTCCAGGCCCCAGTGAAGAGTTGGCCAGGAGGACC 5033
DB 538 CCTACCTGACCAAGTTCTGAGGATTTCCAGGCCCCAGGAGAGCTGGCCGAGGAGCC 597
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DB 598 AGGAGAACCTCCAGGCGACAGTCAAAATATATGGGGAGCGCCGAGGATTCGCCACCGGGTG 657
QY 5094 AATGATGCTTTCTGAGAGGCGAGGAGTTCGTTTCTTCTTAACTACCTGCTGGGG 5153
DB 658 AATGAGGCTTTCTGAGAGGCGAGGAGTTCGCTGCTTCTTAACTACCTGCTGGGG 717
QY 5154 GTGTGGACTACAGGAGAAATTCACAGATTTACAGTGGCAGGAGGAGTGTAGAGAGC 5213
DB 718 GTGTGGATTATAGGAGCAATATCCAGACTTTCAGAGTACAGAGAGTTCGAGGAGGAGC 777

QY 5214 TGTGTGACAGATGGGCATTCACAGACTTGGAAAGTGCAGGAATTTGCCCTCTTTCTCA 5273
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QY 5274 TCAAAGAGAGGTGAGCTGGTTTCGGCCGCTGTACCCCATGAGTACATCAACAATGTGG 5333
DB 838 TCAAAGAGAGAGCCAGCTGGTTCGGCCGCTGTACCCCATGAGTACATCAACAATGTGG 897
QY 5334 TGACGACACAGGACATGAGCTTTACAGCGCGCTGGTTGGGAGAGCTCCACTGCAAT 5393
DB 898 TAGTGACACAGGAGCTGAGCTTCACAGCGCGCTTCCTCTGGGAGACCCCACTGCAAT 957
QY 5394 TGTATCACTCCACTACAGGAAACCCACTATGGCCAGGTGTTCGGGAGTACCTGCAAT 5453
DB 958 TCGATAACTCCACTACATCAGCACCCACTACAGCCAGGTGTGTGGGAGTACCTTCAAG 1017
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DB 1018 GGAAGCTGCGAGTACGCGCCAGGAGAGCGGAGCTCGCCAGGTGGCGCCGCTGCAAG 1077
QY 5514 ACTTCGACAAACCGGAACCTTCTAGTCTCCATCAGAGCAAGAGCTGTCTTATATTC 5573
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QY 5574 CCAAGCCACTGCAATGGAGGTGAAACAGAGCAACATAAGAGCTTGTGACCCAGGAGC 5633
DB 1135 CAAAGCAGCTTCAACCGGAGGTGAACACGCGCTCCATCAAGAACCTGTATGGGTCAAG 1194
QY 5634 TGAGGAGATGCAAGGAGTACAGCAAGCAGAGAGCAGAGTGGCTTTATAGAGACACAG 5693
DB 1195 TGAGCGCTGGAGGAGACACAGCCCGCAGGAGCAGAGTTCATTTAGGCGCATGA 1254
QY 5694 CGCAGCTGCCCTCTTTGGCTACACTGTGTACGTAGTGTGTGAGAGTGAAGTGGCTG 5753
DB 1255 GCGAGCTGCCCTCTTCGGCTACACGCTCTATGGGGTGTGGAGTGAAGTGAAGGCTG 1314
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QY 5814 CTGAGAACTCTGCTGTCTGTATGCTAAAGACCTGAAGCAGTTCCACTCTGAGCC 5873
DB 1375 CCGAGAGCTGTACTGCGCATTTGCCCTGAGAGCTTGCAGCGCTCCACTGCTAAGCC 1434
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DB 1435 CTCTGAGGAGAGAGGCGCCCCCTGGCTTGAACCTTAACTTATGCTGTGAGCAACCCCC 1494
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DB 1495 AGACCATCTGTTGGAGTTGCCACAGGCCCCAGGAGCTGCTATACAGCACTGTCTCTG 1554
QY 5994 TGGCAGCATGTCCACT 6010
DB 1555 TAGACAGCAGTGCCTCT 1571

RESULT 6
US-09-764-868-145
Sequence 145, Application US/09764868
Patent No. US20020168711A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PT232
CURRENT APPLICATION NUMBER: US/09/764,868
CURRENT FILING DATE: 2001-01-17
Prior application data removed - refer to PALM or file wrapper
NUMBER OF SEQ ID NOS: 1510
SOFTWARE: Patent in Ver. 2.0
SEQ ID NO 145
LENGTH: 1247
TYPE: DNA

ORGANISM: Homo sapiens									
-09-764-868-145									
Query Match									
Best Local Similarity 80.68; Score 621.2; DB 10; Length 1247;									
Matches 725; Conservative 1; Mismatches 174; Indels 0; Gaps 0;									
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421 GAGTGGCAGGATGTACAGTGTGTGGTGTGTCTCACCGGGAGTCTGGGTGTCTGAAGT 480									
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541 GGAGTGTGGTGTGAATCCCGGGCGGCTCCACCTGGAGTGTCTTGAAGAGCGA 600									
3781 GCAGTCTGATGCACACAGCTGGGCGGGGCGCATCAAGGCCATGGTGTATTTCT 3840									
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3901 CAATAGCTCTCAGTTCTCAGCGTGGGAGCTTATAGTTACTCCAGTACAGCGTCT 3960									
721 CTGAGCTCTCTCAGCTTCCACCGTGGGAGCTCATCAAGCTGTCCGGTGGCCACCT 780									
3961 GGAACAGGCTGGCAGTTCGTTCTCGCGGGGCGCTCCGAGCTCTTCCCGATGACGT 4020									
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4021 GGTGACCCAGCTGCTGCCCGCCGACCTCTCTTCTCCCTGGGAAAGAACAGCTGGCA 4080									
841 AGTCCAGCCGCTGCCCGCTCCGACCTTTCTCTCTCCAGAGCAGAGAGTGGCTGGCA 900									
APPLICANT: Hyseq, Inc.									
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED									
FILE REFERENCE: 20411-756									
CURRENT APPLICATION NUMBER: US/09/918,995									
CURRENT FILING DATE: 2001-07-30									
PRIOR APPLICATION NUMBER: US/99/235,076									
PRIOR FILING DATE: 1999-01-20									
NUMBER OF SEQ ID NOS: 38054									
SOFTWARE: FastSeq for Windows Version 3.0									
SEQ ID NO 1723									
LENGTH: 444									
TYPE: DNA									
ORGANISM: Homo sapiens									
US-09-918-995-1723									
Query Match									
Best Local Similarity 73.28; Score 233.6; DB 11; Length 444;									
Matches 331; Conservative 0; Mismatches 109; Indels 12; Gaps 2;									
QY 2922 AAACCTTTTCAGAGAAAAATGACCTTAAGGATGAGGCTTTGGCTAAGTTAGGGATAAATG 2981									
DB 2 AAGCTTCTGAGGAAATGACCTTAAGGATGAGGCTTTGGCTAAGTTAGGGATAAATG 61									
QY 2982 GGTTCACCTTGCCTTATGACACCTTTCGACACCTTTCGACACCTTTCGACACCTTTCGAC 3038									
DB 62 GTGCCACT 121									
QY 3039 TAGTTCCTCGACCTAAGCTCGACCTCTCTGACCTCTCTGACCTCTCTGACCTCTCTGAC 3098									
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QY 3159 CCGCTCTCGACCTAAGCTCGACCTCTCTGACCTCTCTGACCTCTCTGACCTCTCTGACCTCTCTGAC 3218									
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DB 353 CCGCTCTCGACCTAAGCTCGACCTCTCTGACCTCTCTGACCTCTCTGACCTCTCTGACCTCTCTGAC 412									
QY 3339 AGCTCTACCTCTCGACCTAAGCTCGACCTCTCTGACCTCTCTGACCTCTCTGACCTCTCTGAC 3370									
DB 413 AGCTCTACCTCTCGACCTAAGCTCGACCTCTCTGACCTCTCTGACCTCTCTGACCTCTCTGAC 444									
RESULT 8									
US-09-918-995-10839									
Sequence 10839, Application US/09918995									
Publication No. US20030073623A1									
GENERAL INFORMATION:									
APPLICANT: Hyseq, Inc.									
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED									
FILE REFERENCE: 20411-756									
CURRENT APPLICATION NUMBER: US/09/918,995									
CURRENT FILING DATE: 2001-07-30									
PRIOR APPLICATION NUMBER: US/99/235,076									
PRIOR FILING DATE: 1999-01-20									
NUMBER OF SEQ ID NOS: 38054									
SOFTWARE: FastSeq for Windows Version 3.0									
SEQ ID NO 10839									
LENGTH: 458									
TYPE: DNA									
ORGANISM: Homo sapiens									
FEATURE:									

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; NAME/KEY: misc.feature
; LOCATION: (1)...(458)
; OTHER INFORMATION: n = A,T,C or G
US-09-918 995-10319

Query Match      2.7%; Score 168.8; DB 1; Length 458;
Best Local Similarity 82.2%; Pred. No. 6.5e-36;
Matches 194; Conservative 0; Mismatches 42; Indels 0; Gaps 0;

QY 1845 GAAGTCAGGAAGACATCCGGCTATGTGATCGCCCTCGCAGGTACATACCGATCAACAAT 3904
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QY 3905 AGCTCTCTCAGTTTCCACAGTGGGGACCTCATAGATTACTGTCAGTGAAGTCTTGAA 3964
DB 104 AGCTCTCTCAGTTTCCACAGTGGGGACCTCATAGATTACTGTCAGTGAAGTCTTGAA 163
QY 3965 CAGAGGTGTCAGTTGGTTCTCGGGGGCCGCTCGGACTCTTCCGATGACGTGGTG 4024
DB 164 CAGAGGTGTCAGTTGGTTCTCGGGGGCCGCTCGGACTCTTCCGATGACGTGGTG 223
QY 4025 CAGCCAGCTGCTGCCGCCCGACCTCTCTTTTCCCTGGAAAGAGAAACAGCTGGCA 4080
DB 224 CAGCCAGCTGCTGCCGCCCGACCTCTTCTTCTCCAGGACAGAGGAGTGGCTGGCA 279

RESULT 9
US-09 764-868-13477C
; Sequence 1347, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT312
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-02-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: Patent.n Ver. 2.0
; SEQ ID NO 1347
; LENGTH: 24757
; TYPE: DNA
; ORGANISM: Homo sapiens
US 09-764 868-1347

Query Match      2.6%; Score 166.2; DB 10; Length 24757;
Best Local Similarity 90.2%; Pred. No. 1.8e-34;
Matches 195; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

QY 1119 GGTATGCTGCTGGGCTCCTCGGGGAGCGATCTTGCAATGCTGCGAGAGAGACCATGG 1178
DB 17652 GGCAGATGCTGCGGCTCCTCGGGGAGCGGATCCTCGAGTCCCTGGAGTCCCTGGAGGCAGATCATGG 17593
QY 1179 GCACGTTCTCTGCTGCAGCAGGCCCGCAGCGCGCGGACTCCGAGATGAGCTTTTCAGCC 1238
DB 17592 GCACATACCTGTTGGCGCAGCGGCAGTGGCGGCGCCAGGCTGGGAATGAGCTTTTAGCC 17533
QY 1239 AGCTGTGGCCAGCTGTGGCGCAACCCAGATGAGCAACAGATAGCTGCTGGGCC 1298
DB 17532 AGCTGTGGCCAGCTGTGGCGCAACCCAGATGAGCAACAGATAGCTGCTGGGCC 17473
QY 1299 TAATGTTGATCTGCTCAGCTCAGTCTTTGCTCCACACCTGCGCTGGAGAGCCACTGCTCA 1358
DB 17472 TCATGGCTGTTTGTCTCAGCGCCCTTTCCGCCCACTGCTGCTCCACAGAGCCACTGCTCA 17413
QY 1359 AAT 1361
DB 17412 AGT 17410

RESULT 10
US-10-027-632-270785/c
; Sequence 270785, Application US/10027632
```

```
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108927.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/195,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 270785
; LENGTH: 618
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-270785

Query Match      1.6%; Score 102; DB 13; Length 618;
Best Local Similarity 71.2%; Pred. No. 1.8e-17;
Matches 151; Conservative 0; Mismatches 55; Indels 6; Gaps 1;

QY 523 CACCAGGTCCTGCTCGCAGCAACAGGGCTGGCAGCAGCTAGAACAGCTGTGGGCTCAGCG 582
DB 227 CCCACAGGTCCTGCTCGCAGCAGCAGGGCTGGCAGCAGCTCGCGGACCAAGCA 168
QY 583 GCGCTACAGGCGCTGCTCACTCTGCACCGTGGCCTCCGAGCGCTGTATCACCGGCGCG 642
DB 167 GCGCTCCAGGCGCTGCTCACTCTGCACCGTGGCCTCCGAGCGCTGTATCACCGGCGCG 108
QY 643 CCGCTGCTCTGCTGCCCCGATGCGAGGCTCGTGTGCGTGGGCTCCAGGCGCAAGCGATA 702
DB 107 C-----GTCTGCCCCGATGCGAGGCTCGATGCGGTTCAGGCGCAGGCTCTCGAGG 54
QY 703 TCTCCAGCGAGGTCAGCTCTGGGACAGCTGA 734
DB 53 CGTTGGAGCCAGGCTGAAGTGGTGGGTGA 22

RESULT 11
US-09-918-995-362/c
; Sequence 362, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 362
; LENGTH: 482
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(482)
; OTHER INFORMATION: n = A,T,C or G
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;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: US 60/234,687
;; PRIOR FILING DATE: 2000-09-21
;; PRIOR APPLICATION NUMBER: US 09/608,408
;; PRIOR FILING DATE: 2000-06-30
;; PRIOR APPLICATION NUMBER: US 09/774,203
;; PRIOR FILING DATE: 2001-01-29
;; NUMBER OF SEQ ID NOS: 49117
;; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
;; SEQ ID NO 24717
;; LENGTH: 233
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; OTHER INFORMATION: MAP TO AC019214.2
;; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 3
;; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.5
;; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3
;; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.8
;; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.2
;; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.4
;; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.6
;; OTHER INFORMATION: SWISSPROT HIT: P70085, EVALUE 2.92e-01
;; OTHER INFORMATION: NT HIT: AEG04636.1, EVALUE 8.70e-23
;; OTHER INFORMATION: EST_HUMAN HIT: AW53332.1, EVALUE 9.06e-78
US-09-864-761-24717

Query Match 1.5%; Score 92.2; DB 9; Length 233;
Best Local Similarity 77.2%; Pred. No. 6e-15;
Matches 112; Conservative 0; Mismatches 33; Indels 0; Gaps 0;
QY 5289 AGCTGTTGGGCGCTGACCCCATGAGTACATCAACATGTGGTGCAGGACGAGACA 5348
DB 230 AGCTGTTGGGCGCTGACCCCATGAGTACATCAACATGTGGTGCAGGACGAGAG 171
QY 5349 TGAGCTTCACAGCGAGCGGTGGTTGGGAGACTCCACTGGCATTTGTATCACTCCACCT 5408
DB 170 TGAGCTTCACAGCGAGCGGTGGTTGGGAGACTCCACTGGCATTTGTATCACTCCACCT 111
QY 5409 ACACGGAAACCATATGGCCAGGT 5433
DB 110 ACATCAGCACCCACTACAGCCAGGT 86

RESULT 14
US-09-864-761-7087/c
;; Sequence 7087, Application US/09864761;
;; Patent No. US2002048763A1
;; GENERAL INFORMATION:
;; APPLICANT: Penn, Sharron G.
;; APPLICANT: Rank, David R.
;; APPLICANT: Hanzel, David K.
;; APPLICANT: Chen, Wensheng
;; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
;; FILE REFERENCE: Aecmica-X-1
;; CURRENT APPLICATION NUMBER: US/09/864,761
;; CURRENT FILING DATE: 2001-05-23
;; PRIOR APPLICATION NUMBER: US 60/180,312
;; PRIOR FILING DATE: 2000-02-04
;; PRIOR APPLICATION NUMBER: US 60/207,456
;; PRIOR FILING DATE: 2000-05-26
;; PRIOR APPLICATION NUMBER: US 09/632,366
;; PRIOR FILING DATE: 2000-08-03
;; PRIOR APPLICATION NUMBER: GB 24263.6
;; PRIOR FILING DATE: 2000-10-04
;; PRIOR APPLICATION NUMBER: US 60/236,359
;; PRIOR FILING DATE: 2000-09-27
;; PRIOR APPLICATION NUMBER: PCT/US01/00666
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00667
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00664

;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00669
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00665
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00668
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00663
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00662
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00661
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00670
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: US 60/234,687
;; PRIOR FILING DATE: 2000-09-21
;; PRIOR APPLICATION NUMBER: US 09/608,408
;; PRIOR FILING DATE: 2000-06-30
;; PRIOR APPLICATION NUMBER: US 09/774,203
;; PRIOR FILING DATE: 2001-01-29
;; NUMBER OF SEQ ID NOS: 49117
;; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
;; SEQ ID NO 7087
;; LENGTH: 526
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; OTHER INFORMATION: MAP TO AC019214.2
;; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5
;; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.4
;; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.3
;; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3
;; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2
;; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.8
;; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5
US-09-864-761-7087

Query Match 1.4%; Score 89.4; DB 9; Length 526;
Best Local Similarity 85.1%; Pred. No. 5e-14;
Matches 99; Conservative 0; Mismatches 16; Indels 0; Gaps 0;
QY 3855 AGGACTCGGCTATGTCATCGCCCTGGCAGCTACATCAGCATGACATAGCTCTCA 3914
DB 415 AGGACTCGGCTATGTCATCGCCCTGGCAGCTACATCAGCATGACATGCTCTCA 356
QY 3915 GTTCCACCTGGGAGCTCATTAGGTTACTGCCAGTCCGCTCTGGAACGAG 3969
DB 355 GCTTCCACCTGGGAGCTCATTCAAGCTGCTGCCGCTGGCCACCTGGAGCCAGG 301

RESULT 15
US-09-864-761-23818/c
;; Sequence 23818, Application US/09864761;
;; Patent No. US2002048763A1
;; GENERAL INFORMATION:
;; APPLICANT: Penn, Sharron G.
;; APPLICANT: Rank, David R.
;; APPLICANT: Hanzel, David K.
;; APPLICANT: Chen, Wensheng
;; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO.
;; FILE REFERENCE: Aecmica-X-1
;; CURRENT APPLICATION NUMBER: US/09/864,761
;; CURRENT FILING DATE: 2001-05-23
;; PRIOR APPLICATION NUMBER: US 60/180,312
;; PRIOR FILING DATE: 2000-02-04
;; PRIOR APPLICATION NUMBER: US 60/207,456
;; PRIOR FILING DATE: 2000-05-26
;; PRIOR APPLICATION NUMBER: US 09/632,366
;; PRIOR FILING DATE: 2000-08-03
;; PRIOR APPLICATION NUMBER: GB 24263.6
;; PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 4917
SOFTWARE: Arnomax Sequence Listing Engine vers. 1.1
SEQ ID NO 23818
LENGTH: 170
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AC019214.2
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.4
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.3
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.8
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5
OTHER INFORMATION: EST HUMAN HIT: AV649878.1, EVALUE 5.00e-91
OTHER INFORMATION: SWISSPROT HIT: P05895, EVALUE 1.00e-00
OTHER INFORMATION: NT HIT: g11426247, EVALUE 1.50e+00
-09-864-761-23818
Query Match 1.2%; Score 75.2; DB 9; Length 170;
Best Local Similarity 79.5%; Pred. No. 2.5e-10;
Matches 89; Conservative 0; Mismatches 23; Indels 0; Gaps 0;
3969 GCTGGCAGTTCGTTCTGGCGGGGGCGGTCGGACTCTTTCGGATGACGTGGTGCAGC 4028
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
170 GCTGGCAGTTCGTTCTGGCGGGGGCGGTCGGACTCTTTCGGATGACGTGGTGCAGC 111
4329 CAGCTGTGCCCCCGACCTCTCTCTTTCCTGGAAAGAGAAACAGCTGGCA 4580
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1:0 CGGCTGCGGCTCCGACTTTCTCTTCCAGGAGCAGAGGAGTGGTGGCA 59